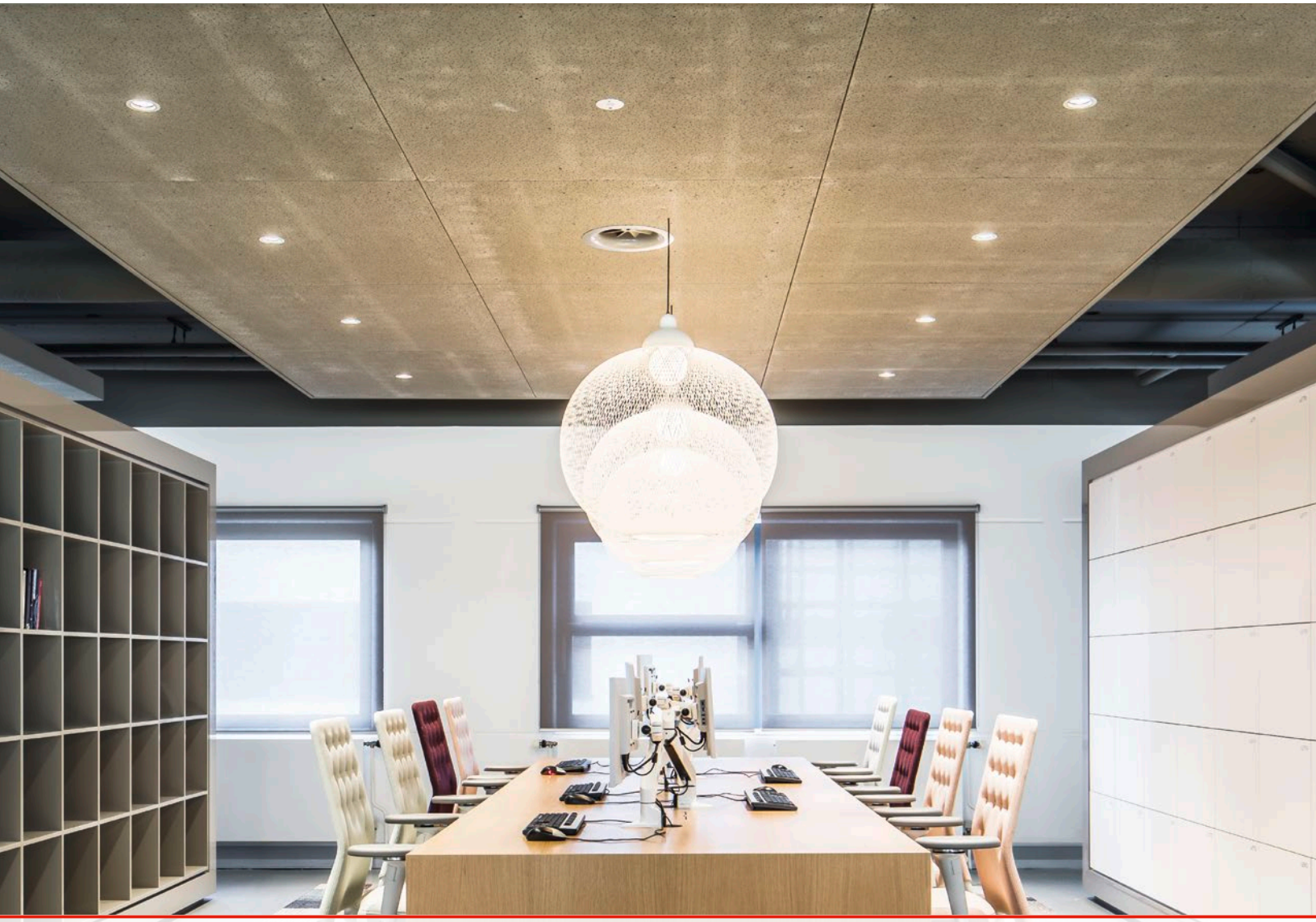
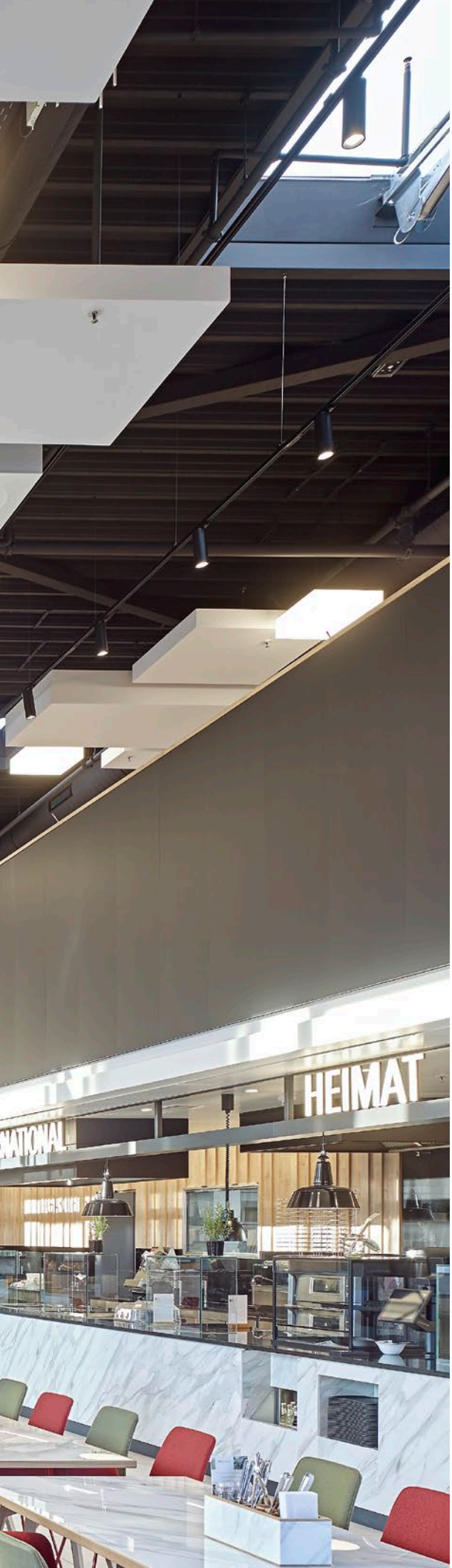


Mineral, design and metal ceiling tiles, suspension grids

OWAlifetime collection | OWAconsult collection | OWAconstruct | OWAtecta



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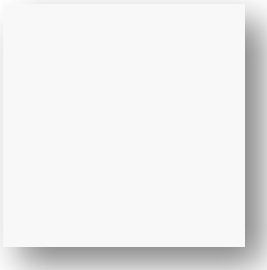
Overview OWAlifetime collection



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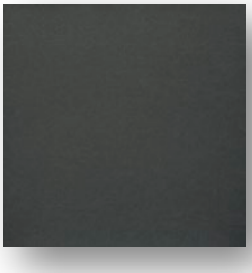
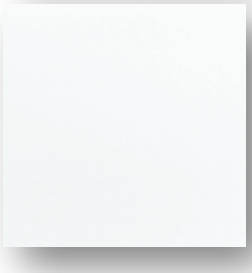
Overview OWAlifetime collection



Octave 85 black 27
(black similar to RAL 9004)



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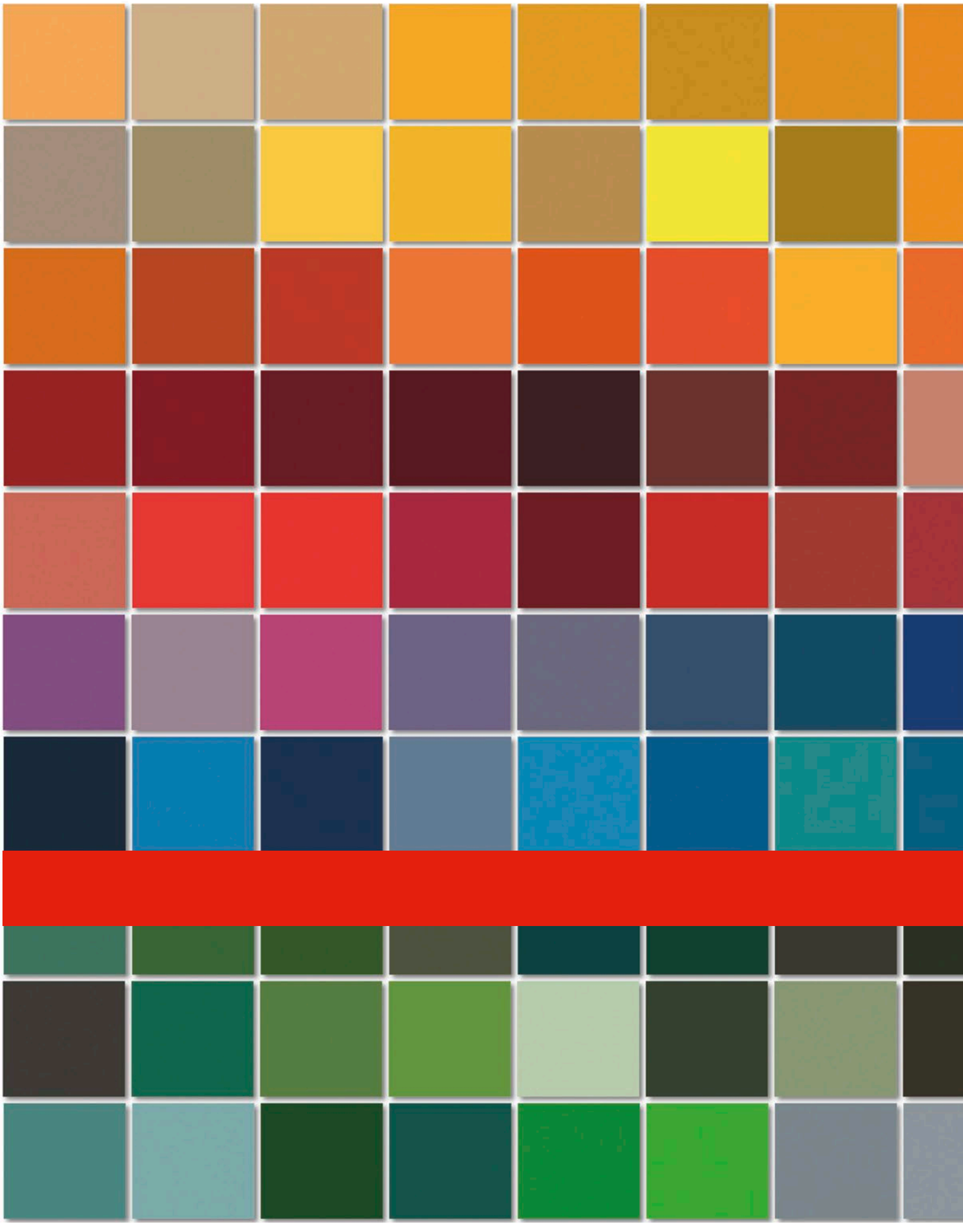


For individualists

Octave

213 inspiring RAL colours

In addition to modular design of the room acoustics, the Octave product range also provides enormous creative freedom. 213 RAL colours enable a blend of optimised acoustic architecture with individualised interior design.

Ceiling systems selector

	Page	Size				Grid			Edge				
		24“ x 24“	24“ x 48“	24“ x 60“	24“ x 72“	15/16“	9/16“	Bolt slot	SQ	RE15/16“	RE9/16“	RE bolt slot	Fleece covered
Brillianto A	11	■	■			■	■		■	■	■		■
Cosmos/N	13	■	■			■	■		■	■	■		
Finetta High NRC	15	■	■			■	■		■	■	■		
Humancare Lab	17	■	■			■	■		■				■
Humancare Pro	17	■	■			■	■		■				■
Ocean	19	■				■	■		■				■
Octave 70 High CAC	21	■	■			■	■		■	■	■		■
Octave 80	22	■	■			■	■		■	■	■		■
Octave 80 High CAC	23	■	■	■	■	■	■		■	■	■		■
Octave 85	24	■	■			■	■	■	■	■	■	■	■
Octave 90 High CAC	25	■	■			■	■		■	■	■		■
Octave 100	26	■	■			■	■	■	■	■	■	■	■
Octave 85 black	27	■	■			■	■	■	■			■	■
Octave 85 Humancare	28	■	■	■	■	■	■	■	■	■	■	■	■
OWAlux® white	31	■	■			■	■		■				
Sandila/N	33	■	■			■	■		■	■	■		
Sandila/N smart	33	■	■			■	■		■				
Sandila NRC	34	■	■			■	■		■	■	■		
Sanitas 02® | Plain	37	■	■			■	■		■				

Performance															
NRC (ASTM C423)	NRC (EN ISO 11654)	CAC (ASTM E1414)	CAC (ISO 10848-2)	Fire rating (ASTM E 84 and ASTM E 1264)	CAN/ULC S102	Light reflectance (ISO 7724-2, ISO 7724-3)	Light reflectance (ASTM E 1477)	Huminity resistance	Hygiene/clean room product	Mold resistance tested according to ASTM D3273	Washability tested according to ASTM D4828	Scrubbability tested according to ASTM D2486	Low VOC/ low formaldehyde	Recycling	
	0.90		30 dB	■	■	78		up to 95 %		■			All OWA-products meet the California Specification 01350	■	**Brillianto A**
	0.65		33 dB	■	■	84		up to 95 %		■				■	**Cosmos/N**
0.75		35 dB		■	■		86	up to 95 %		■	■	■		■	**Finetta High NRC**
	0.70		34 dB	■	■		84	up to 100 %	■	■	■	■		■	**Humancare Lab**
	0.90		24 dB	■	■		84	up to 100 %	■	■	■	■		■	**Humancare Pro**
	0.95		30 dB	■	■		78	up to 100 %		■				■	**Ocean**
0.70		40 dB		■	■		87	up to 95 %		■				■	**Octave 70 High CAC**
0.80		33 dB		■	■		87	up to 95 %		■				■	**Octave 80**
0.80		37 dB		■	■		87	up to 95 %		■				■	**Octave 80 High CAC**
0.85		27 dB		■	■		87	up to 95 %		■				■	**Octave 85**
0.90		34 dB		■	■		87	up to 95 %		■				■	**Octave 90 High CAC**
	1.00		24 dB	■	■		87	up to 95 %		■				■	**Octave 100**
0.85		27 dB		■	■	–		up to 95 %		■				■	**Octave 85 black**
0.85		27 dB		■	■		87	up to 95 %	■	■				■	**Octave 85 Humancare**
	0.15		37 dB	■	■	86		up to 95 %	■	■	■	■		■	**OWAlux® white**
0.60		37 dB		■	■		84	up to 95 %		■				■	**Sandila/N**
	0.60		31 dB	■	■		84	up to 90 %		■				■	**Sandila/N smart**
0.70		35 dB		■	■		83	up to 95 %		■				■	**Sandila NRC**
0.10		42 dB		■	■		92	up to 95 %	■	■	■*	■*		■	**Sanitas 02® | Plain**

* Higher performance based on special treatment

Brillianto A

LEED® v4

- MR: construction waste management
- MR: recycled content
- MR: 100 % recyclable
- MR: regional materials
- IEQ: low emitting materials (VOC and Formaldehyde)
- IEQ: daylight and views – daylight
- Acoustic performance (NRC + CAC)
- C2C-certificated
- EPD
- HPD

Material	Mineral tile, fleece covered ASTM E 1264 classification Type IV, Form 2, Pattern E
Reaction to fire	CAN/ULC-S102 (ASTM E84) | class A (ASTM E 1264) Flame Spread Index 25 or less Smoke Developed Index 50 or less
Light reflection	approx. 78 (ISO 7724-2, ISO 7724-3)
Sound absorption	up to NRC = 0.90
Sound reduction*	up to CAC = 30 dB
Humidity resistance	up to 95 % RH
Resistance to fire*	up to REI 60 (EN 13501-2)
Cleanroom class	up to ISO 5 (ISO 14644-1)
DIN 18177	TVOC 1 / FH 1 / PM 1

Versions:

Brillianto A

www.blauer-engel.de/uz132
- low emission
- low pollutant content
- no adverse impact on health in indoor spaces

OWA green circle

* Dependent on dimension, design, system, soffit and other project specific factors
Detailed product features can be found on the following pages.

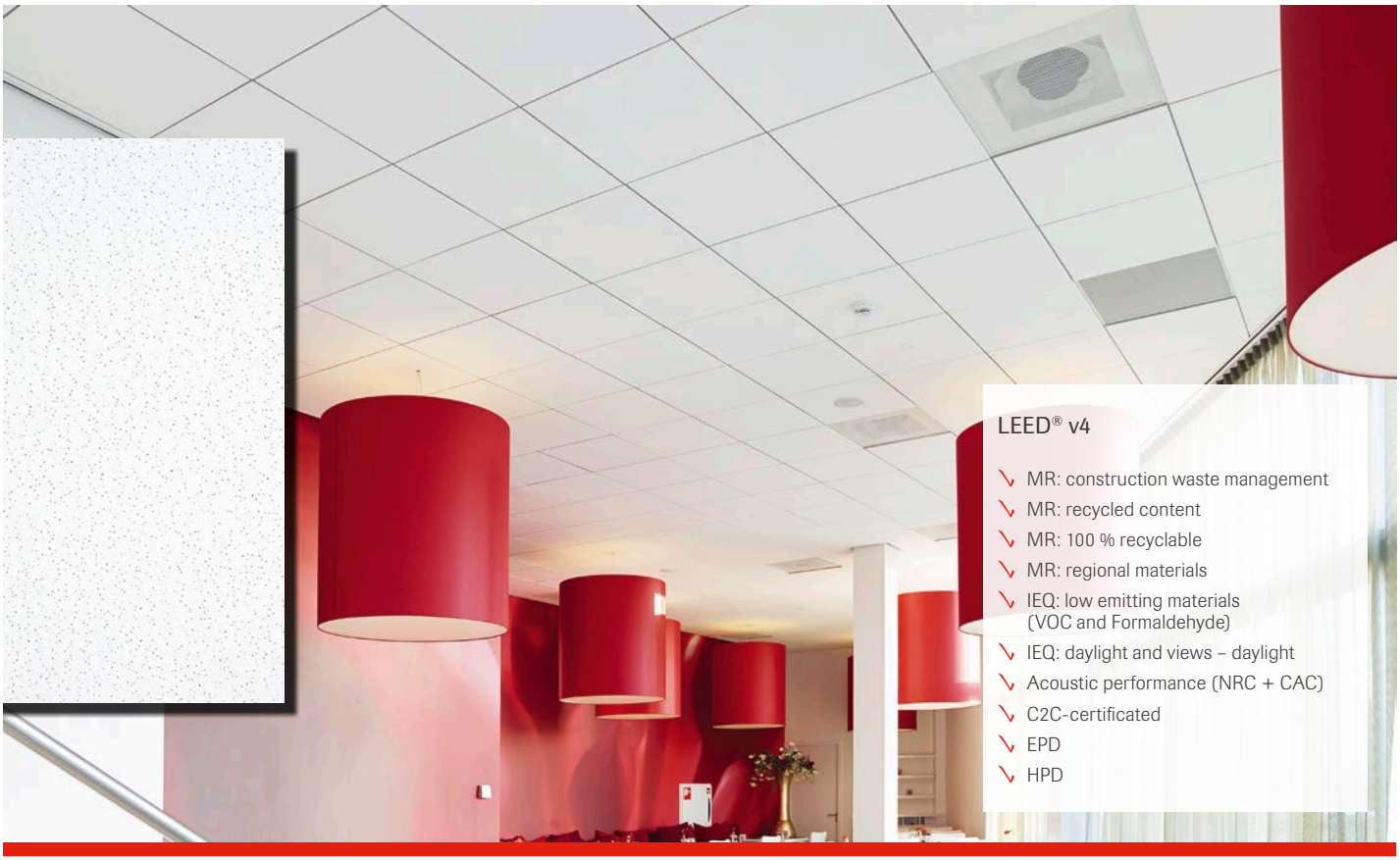
OWAcoustic® premium Brillianto A

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge: SQ	For visible systems: OWAcliq 15/16 or OWAcliq 9/16																		
00075850	24 x 24 x 5/8		12	48	44	–	0.90	–	30 dB	95 % RH	-	✓	REI 60*	0.7	32.5	100 %	✓	✓	30
00075851	48 x 24 x 5/8		10	80	26	–	0.90	–	30 dB	95 % RH	-	✓	-	0.7	54.2	100 %	✓	✓	30
Edge: RE 15/16“	For visible systems: OWAcliq 15/16																		
00079751	24 x 24 x 5/8		10	40	52	–	0.90	–	30 dB	95 % RH	-	✓	-	0.7	27.1	100 %	✓	✓	30
00083024	48 x 24 x 5/8		10	80	26	–	0.90	–	30 dB	95 % RH	-	✓	-	0.7	54.2	100 %	✓	✓	30
Edge: RE 9/16“	For visible systems: OWAcliq 9/16																		
00079750	24 x 24 x 5/8		10	40	52	–	0.90	–	30 dB	95 % RH	-	✓	-	0.7	27.1	100 %	✓	✓	30
00083022	48 x 24 x 5/8		10	80	26	–	0.90	–	30 dB	95 % RH	-	✓	-	0.7	54.2	100 %	✓	✓	30

* OWAcliq 9/16 no resistance to fire

Cosmos/N



LEED® v4

- MR: construction waste management
- MR: recycled content
- MR: 100 % recyclable
- MR: regional materials
- IEQ: low emitting materials (VOC and Formaldehyde)
- IEQ: daylight and views – daylight
- Acoustic performance (NRC + CAC)
- C2C-certificated
- EPD
- HPD

Material	Mineral tile ASTM Type III, Form 2, Pattern CE
Reaction to fire	CAN/ULC-S102 (ASTM E84) | class A (ASTM E 1264) Flame Spread Index 25 or less Smoke Developed Index 50 or less
Light reflection	approx. 84 (ISO 7724-2, ISO 7724-3)
Sound absorption	up to NRC = 0.65
Sound reduction*	up to CAC = 33 dB
Humidity resistance	up to 95 % RH
Resistance to fire*	up to REI 180 (EN 13501-2)
DIN 18177	TVOC 1 / FH 1 / PM 1

Versions:

Cosmos/N

www.blauer-engel.de/uz132
- low emission
- low pollutant content
- no adverse impact on health in indoor spaces

OWA green circle

* Dependent on dimension, design, system, soffit and other project specific factors
Detailed product features can be found on the following pages.

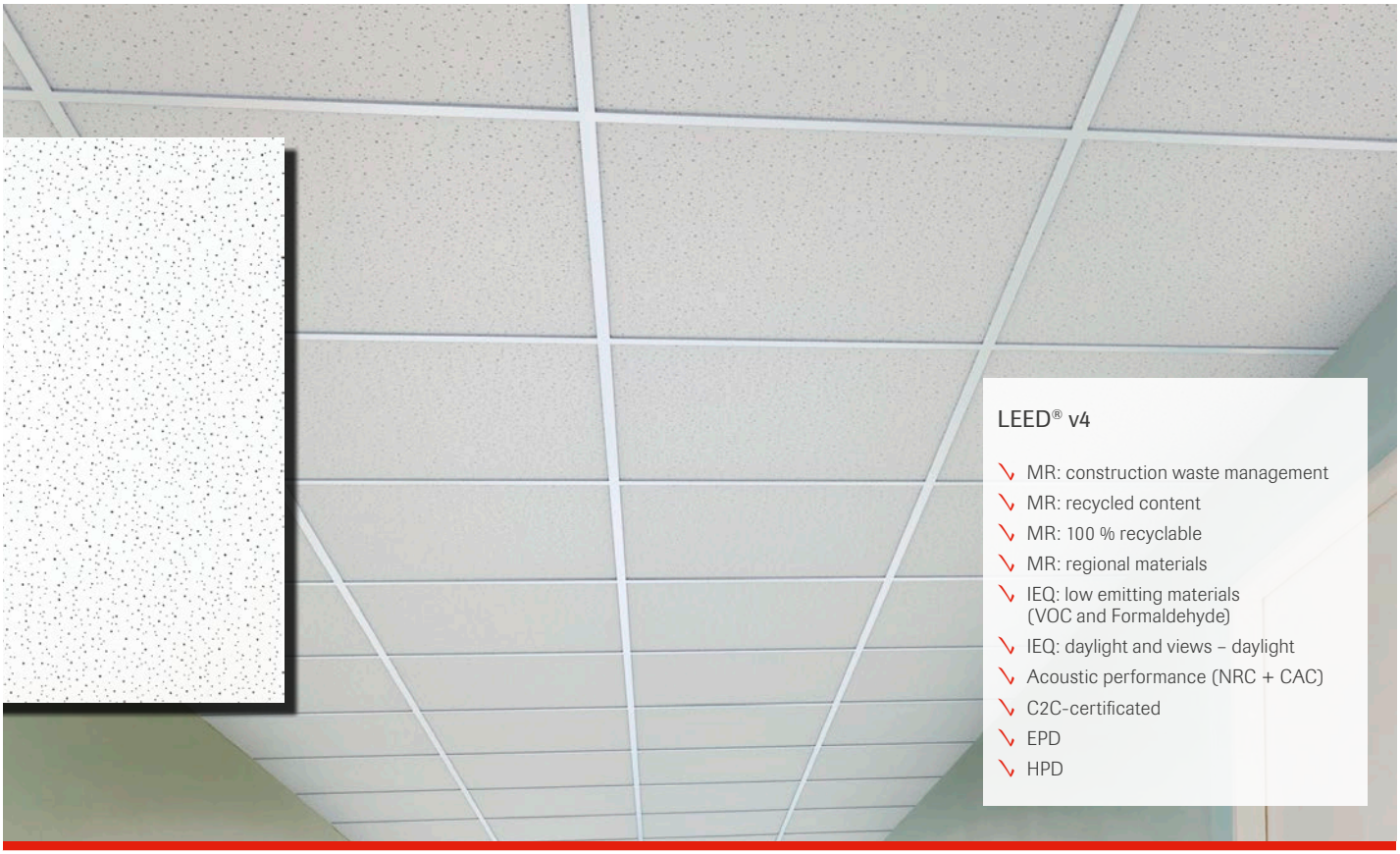
OWAcoustic® premium Cosmos/N

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge SQ	For visible systems OWAcliq 15/16 or OWAcliq 9/16																		
00060128	24 x 24 x 5/8		12	48	44	–	0.65	–	33 dB	95 % RH	-	✓	REI 180*	0.8	32.9	100 %	✓	✓	30
00073812	48 x 24 x 5/8		10	80	26	–	0.65	–	33 dB	95 % RH	-	✓	REI 60°	0.8	65.7	100 %	✓	✓	30
Edge RE 15/16“	For visible systems OWAcliq 15/16																		
00051621	24 x 24 x 5/8		10	40	52	–	0.65	–	33 dB	95 % RH	-	✓	REI 180	0.8	32.9	100 %	✓	✓	30
00076652	48 x 24 x 5/8		10	80	26	–	0.65	–	33 dB	95 % RH	-	✓	REI 60	0.8	65.7	100 %	✓	✓	30
Edge RE 9/16“	For visible systems OWAcliq 9/16																		
00052950	24 x 24 x 5/8		10	40	52	–	0.65	–	33 dB	95 % RH	-	✓	REI 90	0.8	32.9	100 %	✓	✓	30
00074622	48 x 24 x 5/8		10	80	26	–	0.65	–	33 dB	95 % RH	-	✓	-	0.8	65.7	100 %	✓	✓	30

* OWAcliq 9/16 REI 90 | ° OWAcliq 9/16 no resistance to fire

Finetta



LEED® v4

- MR: construction waste management
- MR: recycled content
- MR: 100 % recyclable
- MR: regional materials
- IEQ: low emitting materials (VOC and Formaldehyde)
- IEQ: daylight and views – daylight
- Acoustic performance (NRC + CAC)
- C2C-certificated
- EPD
- HPD

Material	Mineral tile ASTM E 1264 classification Type III, Form 2, Pattern C E
Reaction to fire	CAN/ULC-S102 (ASTM E84) | class A (ASTM E 1264) Flame Spread Index 25 or less Smoke Developed Index 50 or less
Light reflection	approx. 86 (ASTM E 1477)
Sound absorption	up to NRC = 0.75
Sound reduction*	up to CAC = 35 dB
Humidity resistance	up to 95 % RH
Resistance to fire*	up to REI 180 (EN 13501-2)
Cleanroom class	up to ISO 5 (ISO 14644-1)
DIN 18177	TVOC 1 / FH 1 / PM 1

Versions:

Finetta High NRC

www.blauer-engel.de/uz132
- low emission
- low pollutant content
- no adverse impact on health in indoor spaces

OWA green circle

* Dependent on dimension, design, system, soffit and other project specific factors
Detailed product features can be found on the following pages.

OWAcoustic® premium Finetta High NRC

*1 dependent on soffit and other specific factors

Edge: SQ — For visible systems: OWAcliq 15/16 or OWAcliq 9/16

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Washability ASTM D4828	Scrubbability ASTM D2486	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
00073929	24 x 24 x 5/8		12	48	44	**0.75**	–	**35 dB**	–	95 % RH	ISO 5	✓	✓	✓	REI 180*	0.9	36.9	100 %	✓	✓	30
00073930	48 x 24 x 5/8		10	80	26	**0.75**	–	**35 dB**	–	95 % RH	ISO 5	✓	✓	✓	REI 60°	0.9	73.8	100 %	✓	✓	30

* OWAcliq 9/16 REI 90 | ° OWAcliq 9/16 no resistance to fire

Edge: RE 15/16“ — For visible systems: OWAcliq 15/16

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Washability ASTM D4828	Scrubbability ASTM D2486	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
00073992	24 x 24 x 5/8		10	40	52	**0.75**	–	**35 dB**	–	95 % RH	ISO 5	✓	✓	✓	REI 180	0.9	36.9	100 %	✓	✓	30
00073927	48 x 24 x 5/8		10	80	26	**0.75**	–	**35 dB**	–	95 % RH	ISO 5	✓	✓	✓	REI 60	0.9	73.8	100 %	✓	✓	30

Edge: RE 9/16“ — For visible systems: OWAcliq 9/16

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Washability ASTM D4828	Scrubbability ASTM D2486	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
00073928	24 x 24 x 5/8		10	40	52	**0.75**	–	**35 dB**	–	95 % RH	ISO 5	✓	✓	✓	REI 90	0.9	36.9	100 %	✓	✓	30
00073993	48 x 24 x 5/8		10	80	26	**0.75**	–	**35 dB**	–	95 % RH	ISO 5	✓	✓	✓	-	0.9	73.8	100 %	✓	✓	30

Humancare

LEED® v4

- MR: construction waste management
- MR: recycled content
- MR: 100 % recyclable
- MR: regional materials
- IEQ: low emitting materials (VOC and Formaldehyde)
- IEQ: daylight and views – daylight
- Acoustic performance (NRC + CAC)
- C2C-certificated
- EPD
- HPD

Material	Mineral tile, fleece covered ASTM E 1264 classification Type IV, Form 2, Pattern E
Reaction to fire	CAN/ULC-S102 (ASTM E84) | class A (ASTM E 1264) Flame Spread Index 25 or less Smoke Developed Index 50 or less
Light reflection	approx. 84 (ASTM E 1477)
Sound absorption	up to NRC = 0.95
Sound reduction*	up to CAC = 34 dB
Humidity resistance	up to 100 % RH
Resistance to fire*	up to REI 60 (EN 13501-2)
Cleanroom class	up to ISO 3 (ISO 14644-1)
DIN 18177	TVOC 1 / FH 1 / PM 1
Kinetic of particle decontamination	$CP_{(0,5)}$ 5 (NFS 90-351: 2013)°
Bacteriological cleanliness class	M10 (NFS 90-351: 2013)

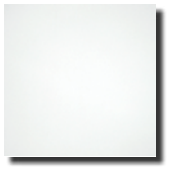
Versions:

Humancare Lab
Humancare Pro

NEW:
Better cleaning options!
More details in OWA's cleaning recommendations

OWA green circle

* Dependent on dimension, design, system, soffit and other project specific factors | ° Tested with OWAconstruct system S 3
Detailed product features can be found on the following pages.



OWAcoustic® premium Humancare Lab

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Washability ASTM D4828	Scrubbability ASTM D2486	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge: SQ	For visible systems: OWAcliq 15/16 or OWAcliq 9/16																				
00087637	24 x 24 x 3/4		10	39	36	–	0.70	–	34 dB	100 % RH	ISO 3	✓	✓	✓	REI 60	1.1	44.5	100 %	✓	✓	30
00087639	48 x 24 x 3/4		8	62	22	–	0.70	–	34 dB	100 % RH	ISO 3	✓	✓	✓	-	1.1	71.1	100 %	✓	✓	30

OWAcoustic® premium Humancare Pro

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Washability ASTM D4828	Scrubbability ASTM D2486	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge: SQ	For visible systems: OWAcliq 15/16 or OWAcliq 9/16																				
00087633	24 x 24 x 3/4		10	39	36	–	0.95	–	24 dB	100 % RH	ISO 3	✓	✓	✓	REI 45*	0.7	26.2	100 %	✓	✓	30
00087635	48 x 24 x 3/4		8	62	22	–	0.95	–	24 dB	95 % RH	ISO 3	✓	✓	✓	-	0.7	41.9	100 %	✓	✓	30

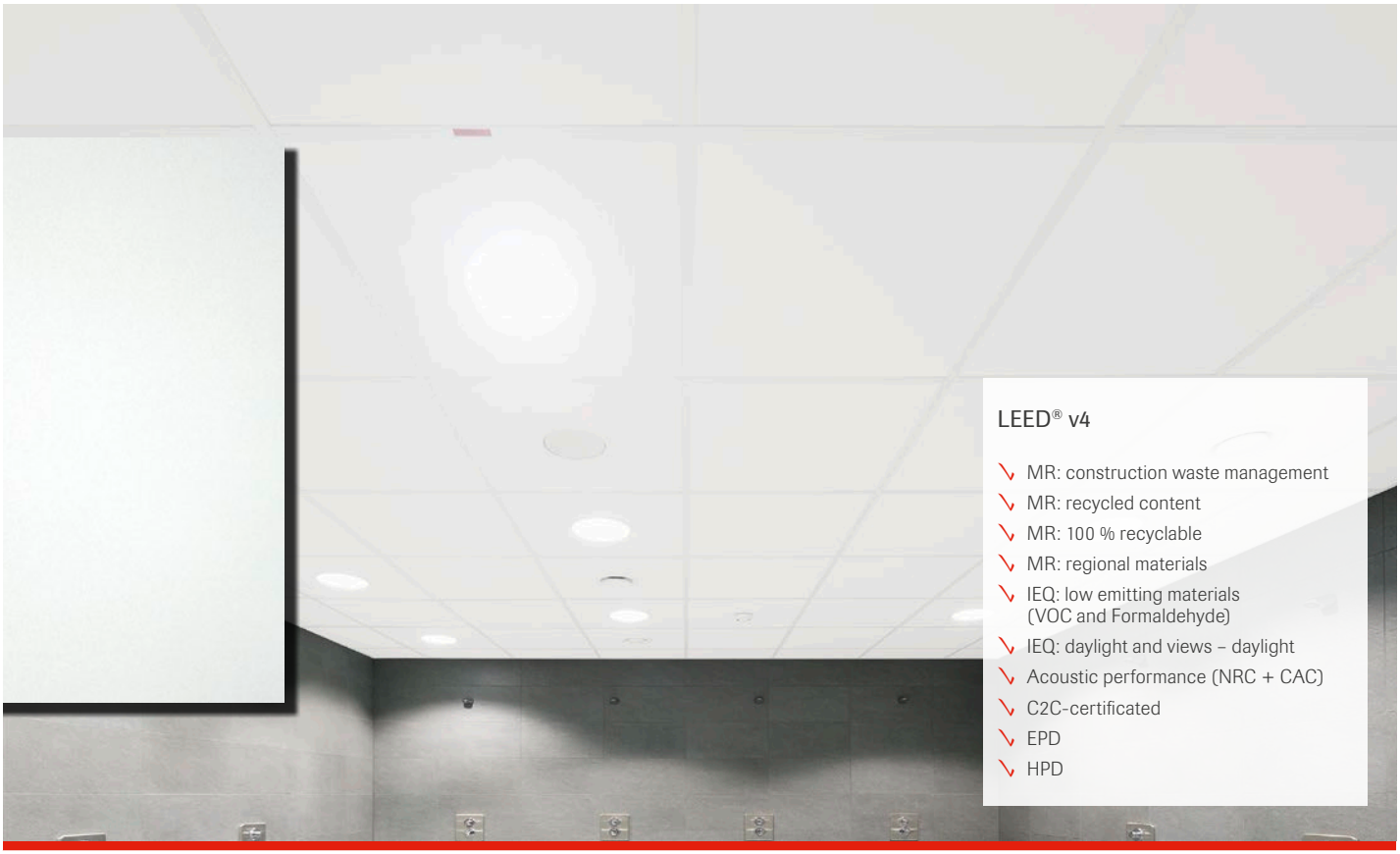
* OWAcliq 9/16 no resistance to fire

Air permeability test according to DIN EN 12114 [m³/ hm²]

Differences in pressure (in Pa=Pascal)	5 Pa	8 Pa	10 Pa	20 Pa	50 Pa	Slope rate of air volume flow per Pa (Pascal) from 5-50 Pa	Air permeability classes
m³/hm², at pressure	3,46	4,72	5,48	8,66	15,87	0,28 $m^3/(hm^2 \times Pa)$	PM1 (DIN 18177)
m³/hm², at suction	3,71	5,35	6,37	10,93	22,34	0,41 $m^3/(hm^2 \times Pa)$	PM1 (DIN 18177)

The installation always has to be carried out with pressure spring no. 819 (volume flow values in table measured without sealing strip. Lower flow values can be achieved by additional sealing measures).

Ocean



LEED® v4

- MR: construction waste management
- MR: recycled content
- MR: 100 % recyclable
- MR: regional materials
- IEQ: low emitting materials (VOC and Formaldehyde)
- IEQ: daylight and views – daylight
- Acoustic performance (NRC + CAC)
- C2C-certificated
- EPD
- HPD

Material	Mineral tile, fleece covered ASTM E 1264 classification Type IV, Form 2, Pattern E
Reaction to fire	CAN/ULC-S102 (ASTM E84) | class A (ASTM E 1264)
Light reflection	approx. 78 (ASTM E 1477)
Sound absorption	NRC = 0.95
Sound reduction*	CAC = 30 dB
Humidity resistance	up to 100 % RH
Resistance to fire*	up to REI 60 (EN 13501-2)
Cleanroom class	ISO 4 (ISO 14644-1)
DIN 18177	TVOC 1 / FH 1 / PM 1

Versions:

Ocean

www.blauer-engel.de/uz132
- low emission
- low pollutant content
- no adverse impact on health in indoor spaces

OWA green circle

* Dependent on dimension, design, system, soffit and other project specific factors
Detailed product features can be found on the following pages.

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)

*1 dependent on soffit and other specific factors

OWAcoustic® premium Ocean

Edge: SQ

For visible systems: OWAcliq 15/16 or OWAcliq 9/16

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
00084288	24 x 24 x 3/4	☐	10	40	36	–	**0.95**	–	**30 dB**	100 % RH	ISO 4	✓	REI 60	0.8	32.8	100 %	✓	✓	30

Octave

LEED® v4

- MR: construction waste management
- MR: recycled content
- MR: 100 % recyclable
- MR: regional materials
- IEQ: low emitting materials (VOC and Formaldehyde)
- IEQ: daylight and views – daylight
- Acoustic performance (NRC + CAC)
- C2C-certificated
- EPD
- HPD

Material	Mineral tile, fleece covered ASTM E 1264 classification Type IV, Form 2, Pattern E or EH (Wood colours)
Reaction to fire	CAN/ULC-S102 (ASTM E84) | class A (ASTM E 1264) Flame Spread Index 25 or less Smoke Developed Index 50 or less (white)
Light reflection	approx. 87 (ASTM E 1477) (white)
Sound absorption	up to NRC = 1.00
Sound reduction*	up to CAC = 40 dB
Humidity resistance	up to 95 % RH
Resistance to fire*	up to REI 180 (EN 13501-2)
Cleanroom class	up to ISO 4 (ISO 14644-1)
DIN 18177	TVOC 1 / FH 1 / PM 1

Versions:

Octave 70 High CAC
Octave 80
Octave 80 High CAC
Octave 85
Octave 90 High CAC
Octave 100

Colour availability:

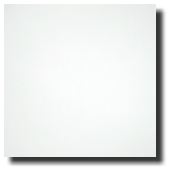
Octave 85 black
(black similar to RAL 9004)

Special version: Octave 85 | Humancare

www.blauer-engel.de/uz132
- low emission
- low pollutant content
- no adverse impact on health in indoor spaces

OWA green circle

* Dependent on dimension, design, system, soffit and other project specific factors
Detailed product features can be found on the following pages.



OWAcoustic® premium
Octave 70 High CAC

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge: SQ	For visible systems: OWAcliq 15/16 or OWAcliq 9/16																		
00077550	24 x 24 x 3/4		10	40	36	**0.70**	–	**40 dB**	–	95 % RH	ISO 4	✓	REI 180*	1.2	47.6	100 %	✓	✓	30
00077551	48 x 24 x 3/4		8	64	22	**0.70**	–	**40 dB**	–	95 % RH	ISO 4	✓	REI 60°	1.2	76.1	100 %	✓	✓	30

* OWAcliq 9/16 REI 90 | ° OWAcliq 9/16 no resistance to fire

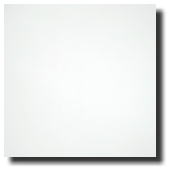
Edge: RE 15/16"	For visible systems: OWAcliq 15/16																		
00077552	24 x 24 x 3/4		10	40	36	**0.70**	–	**40 dB**	–	95 % RH	ISO 4	✓	REI 180	1.2	47.6	100 %	✓	✓	30
00077553	48 x 24 x 3/4		8	64	22	**0.70**	–	**40 dB**	–	95 % RH	ISO 4	✓	REI 60	1.2	76.1	100 %	✓	✓	30

Edge: RE 9/16"	For visible systems: OWAcliq 9/16																		
00077554	24 x 24 x 3/4		10	40	36	**0.70**	–	**40 dB**	–	95 % RH	ISO 4	✓	REI 90	1.2	47.6	100 %	✓	✓	30
00077555	48 x 24 x 3/4		8	64	22	**0.70**	–	**40 dB**	–	95 % RH	ISO 4	✓	-	1.2	76.1	100 %	✓	✓	30

OWAcoustic® premium Octave 80

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge SQ — For visible systems — OWAcliq 15/16 or OWAcliq 9/16																			
00087959	24 x 24 x 3/4		10	40	36	**0.80**	–	**33 dB**	–	95 % RH	ISO 4	✓	-	1.1	42.7	100 %	✓	✓	30
00087961	48 x 24 x 3/4		8	64	22	**0.80**	–	**33 dB**	–	95 % RH	ISO 4	✓	-	1.1	68.3	100 %	✓	✓	30
Edge RE 15/16" — For visible systems — OWAcliq 15/16																			
00087962	24 x 24 x 3/4		10	40	36	**0.80**	–	**33 dB**	–	95 % RH	ISO 4	✓	-	1.1	42.7	100 %	✓	✓	30
00087963	48 x 24 x 3/4		8	64	22	**0.80**	–	**33 dB**	–	95 % RH	ISO 4	✓	-	1.1	68.3	100 %	✓	✓	30
Edge RE 9/16" — For visible systems — OWAcliq 9/16																			
00087964	24 x 24 x 3/4		10	40	36	**0.80**	–	**33 dB**	–	95 % RH	ISO 4	✓	-	1.1	42.7	100 %	✓	✓	30
00087965	48 x 24 x 3/4		8	64	22	**0.80**	–	**33 dB**	–	95 % RH	ISO 4	✓	-	1.1	68.3	100 %	✓	✓	30

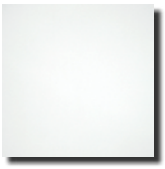


OWAcoustic® premium
Octave 80 High CAC

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge: SQ	For visible systems: OWAcliq 15/16 or OWAcliq 9/16																		
00077512	24 x 24 x 3/4		10	40	36	**0.80**	–	**37 dB**	–	95 % RH	ISO 4	✓	REI 60*	0.8	31.2	100 %	✓	✓	30
00077514	48 x 24 x 3/4		8	64	22	**0.80**	–	**37 dB**	–	95 % RH	ISO 4	✓	-	0.8	49.9	100 %	✓	✓	30
Edge: RE 15/16"	For visible systems: OWAcliq 15/16																		
00077515	24 x 24 x 3/4		10	40	36	**0.80**	–	**37 dB**	–	95 % RH	ISO 4	✓	-	0.8	31.2	100 %	✓	✓	30
00077516	48 x 24 x 3/4		8	64	22	**0.80**	–	**37 dB**	–	95 % RH	ISO 4	✓	-	0.8	49.9	100 %	✓	✓	30
Edge: RE 9/16"	For visible systems: OWAcliq 9/16																		
00077517	24 x 24 x 3/4		10	40	36	**0.80**	–	**37 dB**	–	95 % RH	ISO 4	✓	-	0.8	31.2	100 %	✓	✓	30
00077518	48 x 24 x 3/4		8	64	22	**0.80**	–	**37 dB**	–	95 % RH	ISO 4	✓	-	0.8	49.9	100 %	✓	✓	30
00080591	60 x 24 x 3/4		8	80	22	**0.80**	–	**37 dB**	–	95 % RH	ISO 4	✓	-	0.8	62.3	100 %	✓	✓	30
00080592	72 x 24 x 3/4		8	96	22	**0.80**	-	**37 dB**	-	95 % RH	ISO 4	✓	-	0.9	86.4	100 %	✓	✓	30

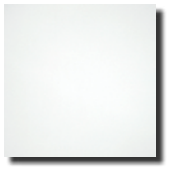
* OWAcliq 9/16 no resistance to fire



OWAcoustic® premium Octave 85

*1 dependent on soffit and other specific factors

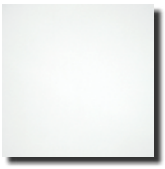
Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge: SQ — For visible systems: OWAcliq 15/16 or OWAcliq 9/16																			
00078141	24 x 24 x 5/8		12	4,47	48	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	REI 60	0.6	28.1	100 %	✓	✓	30
00078140	48 x 24 x 5/8		10	80	26	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	46.8	100 %	✓	✓	30
Edge: RE 15/16" — For visible systems: OWAcliq 15/16																			
00080242	24 x 24 x 5/8		10	3,72	40	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	23.4	100 %	✓	✓	30
00080241	48 x 24 x 5/8		10	80	26	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	46.8	100 %	✓	✓	30
Edge: RE 9/16" — For visible systems: OWAcliq 9/16																			
00080238	24 x 24 x 5/8		10	40	52	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	23.4	100 %	✓	✓	30
00080237	48 x 24 x 5/8		10	80	26	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	46.8	100 %	✓	✓	30
Edge: RE bolt-slot — For visible system: Bolt slot																			
00083308	24 x 24 x 5/8		10	40	52	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	23.4	100 %	✓	✓	30
00083306	48 x 24 x 5/8		10	80	26	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	46.8	100 %	✓	✓	30



OWAcoustic® premium
Octave 90 High CAC

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge SQ	For visible systems OWAcliq 15/16 or OWAcliq 9/16																		
00088138	24 x 24 x 1		8	32	36	**0.90**	–	**34 dB**	–	95 % RH	ISO 4	✓	-	1.0	32.8	100 %	✓	✓	30
00088139	48 x 24 x 1		6	5,95	64	**0.90**	–	**34 dB**	–	95 % RH	ISO 4	✓	-	1.1	49.2	100 %	✓	✓	30
Edge RE 15/16"	For visible systems OWAcliq 15/16																		
00088140	24 x 24 x 1		8	32	36	**0.90**	–	**34 dB**	–	95 % RH	ISO 4	✓	-	1.0	32.8	100 %	✓	✓	30
00088143	48 x 24 x 1		6	64	22	**0.90**	–	**34 dB**	–	95 % RH	ISO 4	✓	-	1.1	49.2	100 %	✓	✓	30
Edge RE 9/16"	For visible systems OWAcliq 9/16																		
00087871	24 x 24 x 1		8	32	36	**0.90**	–	**34 dB**	–	95 % RH	ISO 4	✓	-	1.0	32.8	100 %	✓	✓	30
00087873	48 x 24 x 1		6	48	22	**0.90**	–	**34 dB**	–	95 % RH	ISO 4	✓	-	1.0	49.2	100 %	✓	✓	30



OWAcoustic® premium Octave 100

*1 dependent on soffit and other specific factors

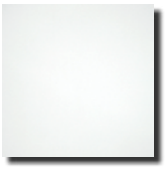
Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge SQ — For visible systems: OWAcliq 15/16 or OWAcliq 9/16																			
00077508	24 x 24 x 3/4		10	40	36	–	**1.00**	–	**24 dB**	95 % RH	ISO 4	✓	REI 45*	0.6	22.2	100 %	✓	✓	30
00077509	48 x 24 x 3/4		8	64	22	–	**1.00**	–	**24 dB**	95 % RH	ISO 4	✓	-	0.6	35.4	100 %	✓	✓	30
Edge RE 15/16“ — For visible systems: OWAcliq 15/16																			
00083020	24 x 24 x 3/4		10	40	36	–	**1.00**	–	**24 dB**	95 % RH	ISO 4	✓	-	0.6	22.2	100 %	✓	✓	30
00083019	48 x 24 x 3/4		8	64	22	–	**1.00**	–	**24 dB**	95 % RH	ISO 4	✓	-	0.6	35.4	100 %	✓	✓	30
Edge RE 9/16“ — For visible systems: OWAcliq 9/16																			
00080263	24 x 24 x 3/4		10	40	36	–	**1.00**	–	**24 dB**	95 % RH	ISO 4	✓	-	0.6	22.2	100 %	✓	✓	30
00083018	48 x 24 x 3/4		8	64	22	–	**1.00**	–	**24 dB**	95 % RH	ISO 4	✓	-	0.6	35.4	100 %	✓	✓	30
Edge RE bolt-slot — For visible system: Bolt slot																			
00083293	24 x 24 x 3/4		10	40	36	–	**1.00**	–	**24 dB**	95 % RH	ISO 4	✓	-	0.6	22.2	100 %	✓	✓	30
00083292	48 x 24 x 3/4		8	64	22	–	**1.00**	–	**24 dB**	95 % RH	ISO 4	✓	-	0.6	35.4	100 %	✓	✓	30

* OWAcliq 9/16 no resistance to fire

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*[1]	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
OWAcoustic® premium Octave 85 black																			
Edge: SQ	For visible systems: OWAcliq 15/16 or OWAcliq 9/16																		
00082736	24 x 24 x 5/8	□	12	48	44	**0.85**	–	**27 dB**	–	95 % RH	-	✓	REI 60*	0.7	32.5	100 %	✓	✓	30
00082738	48 x 24 x 5/8	▭	10	80	26	**0.85**	–	**27 dB**	–	95 % RH	-	✓	-	0.7	54.2	100 %	✓	✓	30
Edge: RE bolt-slot	For visible system: Bolt slot																		
on demand	24 x 24 x 3/4	□	10	40	52	**0.85**	–	**27 dB**	–	95 % RH	-	✓	-	0.7	32,5	100 %	✓	✓	30
on demand	48 x 24 x 3/4	▭	10	80	26	**0.85**	–	**27 dB**	–	95 % RH	-	✓	-	0.7	54.2	100 %	✓	✓	30

*[1] dependent on soffit and other specific factors

* OWAcliq 9/16 no resistance to fire



OWAcoustic® premium
Octave 85 | Humancare

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge SQ — For visible systems: OWAcliq 15/16 or OWAcliq 9/16																			
00080290	24 x 24 x 5/8		12	48	44	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	REI 60*	0.6	28.1	100 %	✓	✓	30
00077903	48 x 24 x 5/8		10	80	26	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	46.8	100 %	✓	✓	30
Edge RE 15/16“ — For visible systems: OWAcliq 15/16																			
00080292	24 x 24 x 5/8		10	40	52	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	23.4	100 %	✓	✓	30
00080291	48 x 24 x 5/8		10	80	26	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	46.8	100 %	✓	✓	30
Edge RE 9/16“ — For visible systems: OWAcliq 9/16																			
00080274	24 x 24 x 5/8		10	40	52	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	23.4	100 %	✓	✓	30
00080273	48 x 24 x 5/8		10	80	26	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	46.8	100 %	✓	✓	30
00080294	60 x 24 x 5/8		10	100	24	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	58.4	100 %	✓	✓	30
00080296	72 x 24 x 5/8		10	120	24	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	70.1	100 %	✓	✓	30
Edge RE bolt-slot — For visible system: Bolt slot																			
00083305	24 x 24 x 5/8		10	40	52	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	23.4	100 %	✓	✓	30
00083302	48 x 24 x 5/8		10	80	26	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	46.8	100 %	✓	✓	30
00083303	60 x 24 x 5/8		10	100	24	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	58.4	100 %	✓	✓	30
00083304	72 x 24 x 5/8		10	120	24	**0.85**	–	**27 dB**	–	95 % RH	ISO 4	✓	-	0.6	70.1	100 %	✓	✓	30

* OWAcliq 9/16 no resistance to fire

Humancare

- Compliance with test standard **NF S 90-351** in accordance with the stricter classification criteria of the current revision 2013-04
  - clean room class ISO 4 (ISO 14644-01:1999)
  - decontamination class $CP_{(0.5)}$ 5
  - bacteriological purity class M1 or M10
  - → suitable for all rooms up to the highest risk zone 4

- Compliance with the internationally recognised **JIS-Z-2801** standard (up to 5-log reduction)

- Additionally: active combating of the multiresistant hospital pathogen **MRSA** and the murine **norovirus**

Disinfectability:
Even without additional measures, Humancare actively combats bacteria, viruses and fungi. But for applications requiring additional disinfectability, you can also treat the tiles with spray disinfection°. Please feel free to request the corresponding test report from us.

° Two spray applications (standard commercially available handheld spraying device) with e.g. 10 % ACTICIDE®-BAC-50-M solution or Meliseptol® (44 % ethanol solution)

OWAlux white

LEED® v4

- MR: construction waste management
- MR: recycled content
- MR: 100 % recyclable
- MR: regional materials
- IEQ: low emitting materials (VOC and Formaldehyde)
- IEQ: daylight and views – daylight
- EPD
- HPD

Material	Mineral tile ASTM E 1264 classification Type III, Form 2, Pattern E G
Reaction to fire	CAN/ULC-S102 (ASTM E84) | class A (ASTM E 1264) Flame Spread Index 25 or less Smoke Developed Index 50 or less
Light reflection	approx. 86 (ISO 7724-2, ISO 7724-3)
Sound absorption	NRC = 0.15
Sound reduction*	up to CAC = 37 dB
Humidity resistance	up to 95 % RH
Resistance to fire*	up to REI 60 (EN 13501-2)
Cleanroom class	up to ISO 4 (ISO 14644-1)
DIN 18177	TVOC 1 / FH 1 / PM 1

Versions:

OWAlux white

* Dependent on dimension, design, system, soffit and other project specific factors
Detailed product features can be found on the following pages.

OWAcoustic® premium
OWAlux white

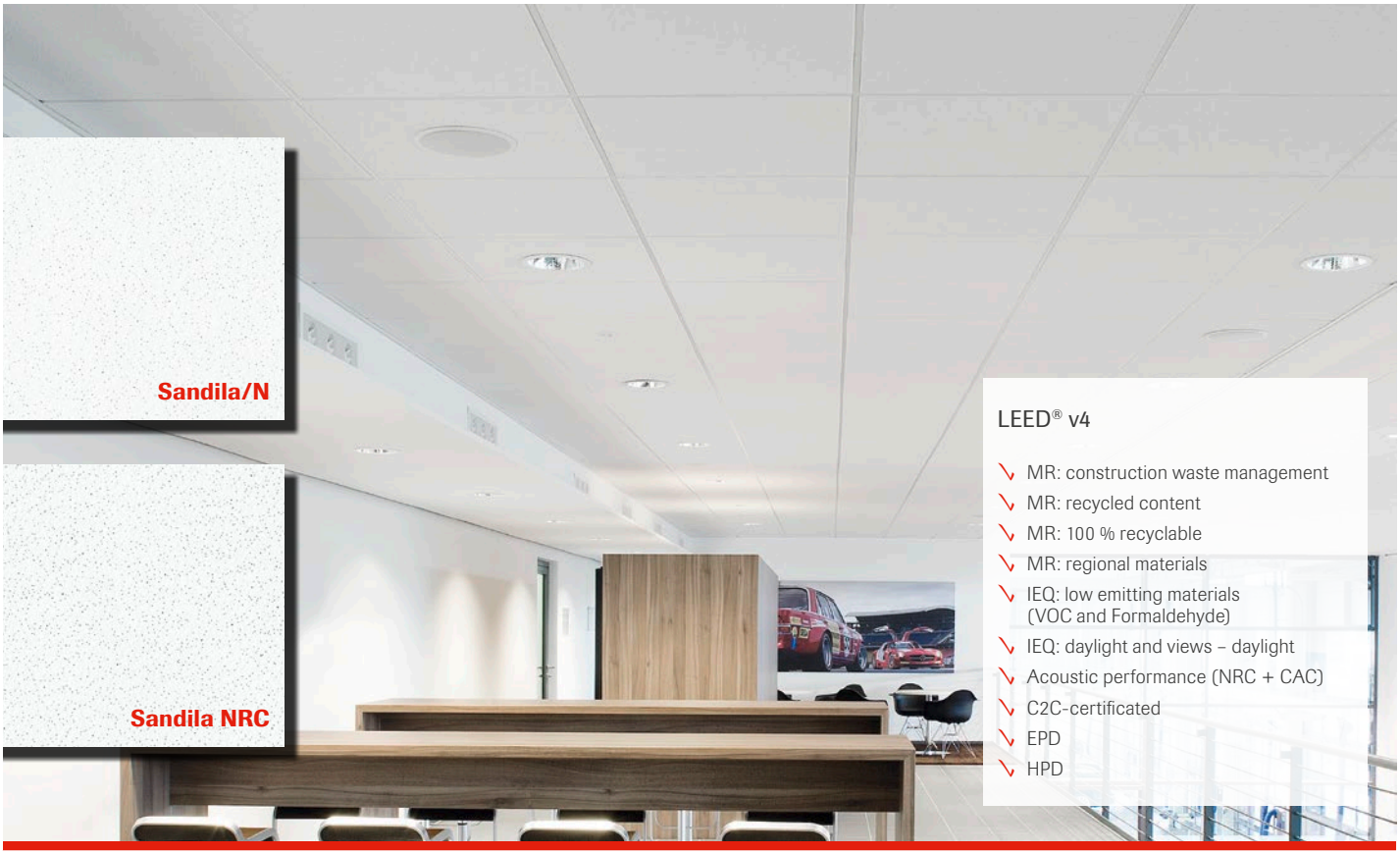
*1 dependent on soffit and other specific factors

Edge: SQ

For visible systems: OWAcliq 15/16 or 9/16

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Washability ASTM D4828	Scrubbability ASTM D2486	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
00075928	24 x 24 x 5/8		10	40	24	–	**0.15**	–	**37 dB**	95 % RH	ISO 4	✓	✓	✓	REI 60*	0.9	36.0	100 %	✓	✓	30
00084716	48 x 24 x 5/8		10	80	26	–	**0.15**	–	**37 dB**	95 % RH	ISO 4	✓	✓	✓	REI 60*	0.9	36.0	100 %	✓	✓	30

Sandila



LEED® v4

- MR: construction waste management
- MR: recycled content
- MR: 100 % recyclable
- MR: regional materials
- IEQ: low emitting materials (VOC and Formaldehyde)
- IEQ: daylight and views – daylight
- Acoustic performance (NRC + CAC)
- C2C-certificated
- EPD
- HPD

Material	Mineral tile, sand covered ASTM E 1264 classification Type III, Form 2, Pattern C E
Reaction to fire	CAN/ULC-S102 (ASTM E84) | class A (ASTM E 1264) Flame Spread Index 25 or less Smoke Developed Index 50 or less
Light reflection	approx. 84 (ASTM E 1477) (Sandila/N) approx. 83 (ASTM E 1477) (Sandila NRC)
Sound absorption	up to NRC = 0.70
Sound reduction*	up to CAC = 37 dB
Humidity resistance	up to 95 % RH
Resistance to fire*	up to REI 180 (EN 13501-2)
DIN 18177	TVOC 1 / FH 1 / PM 1

Versions:

Sandila/N
Sandila/N smart

Sandila NRC

www.blauer-engel.de/uz132
- low emission
- low pollutant content
- no adverse impact on health in indoor spaces

OWA green circle

* Dependent on dimension, design, system, soffit and other project specific factors
Detailed product features can be found on the following pages.

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*[1]	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
OWAcoustic® premium Sandila/N																			
Edge: SQ	For visible systems: OWAcliq 15/16 or OWAcliq 9/16																		
00082722	24 x 24 x 5/8		12	48	44	**0.60**	–	**37 dB**	–	95 % RH	-	✓	REI 180*	1.0	46.7	100 %	✓	✓	30
00082719	48 x 24 x 5/8		10	80	26	**0.60**	–	**37 dB**	–	95 % RH	-	✓	REI 60°	1.0	77.8	100 %	✓	✓	30
Edge: RE 15/16"	For visible systems: OWAcliq 15/16																		
00082723	24 x 24 x 5/8		10	40	52	**0.60**	–	**37 dB**	–	95 % RH	-	✓	REI 180	1.0	38.9	100 %	✓	✓	30
00082720	48 x 24 x 5/8		10	80	26	**0.60**	–	**37 dB**	–	95 % RH	-	✓	REI 60	1.0	77.8	100 %	✓	✓	30
Edge: RE 9/16"	For visible systems: OWAcliq 9/16																		
00082724	24 x 24 x 5/8		10	40	52	**0.60**	–	**37 dB**	–	95 % RH	-	✓	REI 90	1.0	38.9	100 %	✓	✓	30
00082721	48 x 24 x 5/8		10	80	26	**0.60**	–	**37 dB**	–	95 % RH	-	✓	-	1.0	77.8	100 %	✓	✓	30

*[1] dependent on soffit and other specific factors

* OWAcliq 9/16 REI 90 | ° OWAcliq 9/16 no resistance to fire

OWAcoustic® premium Sandila/N smart

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*[1]	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge: SQ	For visible systems: OWAcliq 15/16 or OWAcliq 9/16																		
00084717	24 x 24 x 9/16		12	48	48	–	**0.60**	–	**31 dB**	90 % RH	-	✓	-	0.9	39.0	100 %	✓	✓	30
00083014	48 x 24 x 9/16		10	80	30	–	**0.60**	–	**31 dB**	90 % RH	-	✓	-	0.9	65.0	100 %	✓	✓	30

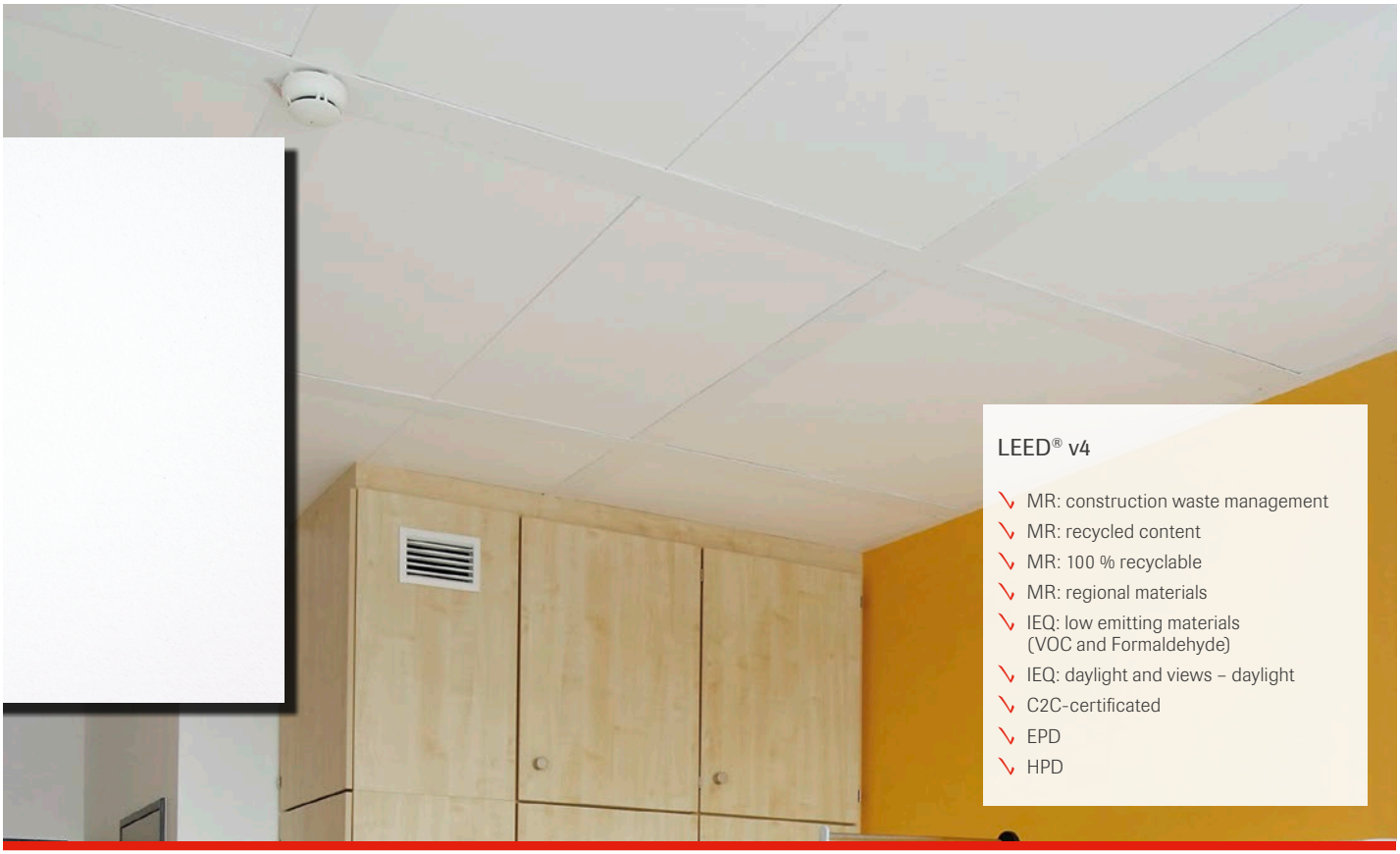
OWAcoustic® premium Sandila NRC

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]		PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
Edge: SQ — For visible systems: OWAcliq 15/16 or OWAcliq 9/16																			
00082728	24 x 24 x 5/8		12	48	44	**0.70**	–	**35 dB**	–	95 % RH	-	✓	REI 180*	1.0	46.7	100 %	✓	✓	30
00082725	48 x 24 x 5/8		10	80	26	**0.70**	–	**35 dB**	–	95 % RH	-	✓	REI 60°	1.0	77.8	100 %	✓	✓	30
Edge: RE 15/16“ — For visible systems: OWAcliq 15/16																			
00082729	24 x 24 x 5/8		10	40	52	**0.70**	–	**35 dB**	–	95 % RH	-	✓	REI 180	1.0	38.9	100 %	✓	✓	30
00082726	48 x 24 x 5/8		10	80	26	**0.70**	–	**35 dB**	–	95 % RH	-	✓	REI 60	1.0	77.8	100 %	✓	✓	30
Edge: RE 9/16“ — For visible systems: OWAcliq 9/16																			
00082730	24 x 24 x 5/8		10	40	52	**0.70**	–	**35 dB**	–	95 % RH	-	✓	REI 90	1.0	38.9	100 %	✓	✓	30
00082727	48 x 24 x 5/8		10	80	26	**0.70**	–	**35 dB**	–	95 % RH	-	✓	-	1.0	77.8	100 %	✓	✓	30

* OWAcliq 9/16 REI 90 | ° OWAcliq 9/16 no resistance to fire

Sanitas 02 | Plain



LEED® v4

- MR: construction waste management
- MR: recycled content
- MR: 100 % recyclable
- MR: regional materials
- IEQ: low emitting materials (VOC and Formaldehyde)
- IEQ: daylight and views – daylight
- C2C-certificated
- EPD
- HPD

Material	Mineral tile ASTM E 1264 classification Type III, Form 2, Pattern E G
Reaction to fire	CAN/ULC-S102 (ASTM E84) | class A (ASTM E 1264) Flame Spread Index 25 or less Smoke Developed Index 50 or less
Light reflection	approx. 92 (ASTM E 1477)
Sound absorption	NRC = 0.10
Sound reduction*	up to CAC = 42 dB
Humidity resistance	up to 95 % RH
Resistance to fire*	up to REI 180 (EN 13501-2)
Cleanroom class	up to ISO 4 (ISO 14644-1:1999)
DIN 18177	TVOC 1 / FH 1 / PM 1

Versions:

Sanitas 02 | Plain

OWA green circle

* Dependent on dimension, design, system, soffit and other project specific factors
Detailed product features can be found on the following pages.

OWAcoustic® premium
Sanitas 02 | Plain

*1 dependent on soffit and other specific factors

Item no.	Dimensions (nom.) [Inches]	Edge	PU	Sqft/carton	Cartons/pallet	NRC ASTM C423	NRC* EN ISO 11654	CAC ASTM E1414	CAC* ISO 10848-2	Humidity resistance	Cleanroom class	Mold and mildew ASTM D3273	Washability ASTM D4828	Scrubbability ASTM D2486	Resistance to fire up to*1	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
		SQ				For visible systems OWAcliq 15/16 or 9/16															
00075692	24 x 24 x 5/8		12	48	44	**0.10**	–	**42 dB**	–	95 % RH	ISO 4	✓	✓	✓	REI 180*	0.9	44.3	100 %	✓	✓	30
00075693	48 x 24 x 5/8		10	80	26	**0.10**	–	**42 dB**	–	95 % RH	ISO 4	✓	✓	✓	REI 60°	0.9	73.8	100 %	✓	✓	30

* OWAcliq 9/16 REI 90 | ° OWAcliq 9/16 no resistance to fire

Hygienic features

- compliance with testing standards **NF S 90-351** as per the stringent classification criteria of the current revision 2013-04
  - clean room class ISO 4 (ISO 14644-1) (comparable to class 10 US Fed. Standard 209E)
  - decontamination class $CP_{(0.5)}$ 2
  - bacteriological purity class M1 or M10
  - ➞ suitable for the highest risk level 4

- compliance with the internationally recognized **JIS Z 2801** standard

- also resists the growth of the multi-resistant hospital bug **MRSA** and the murine **norovirus**

- protects against influences from the ceiling void

- the surface can be dusted, vacuumed or cleaned with an OWA cloth without any reduction in effectiveness

- Can be disinfected using all common alcohol and aldehyde-based disinfectants. Certificates from the Institute for Medical Microbiology and Hospital Hygiene in Marburg in accordance with specifications of the DGHM are available

- certificate regarding abrasion and wet abrasion resistance according to ASTM D2486 is available (certificate no. 815_1640A)

- certificate regarding cleaning according to ASTM D8428 is available (certificate no. 815_160A)

- **behaviour in the event of microbiological contamination:**
  Bactericidal and fungicidal properties of the outer and inner sufaces confirmed. Certificate regarding expert opinion from Dr. Weßling Laboratorien GmbH is available

Creative ceilings for creative minds

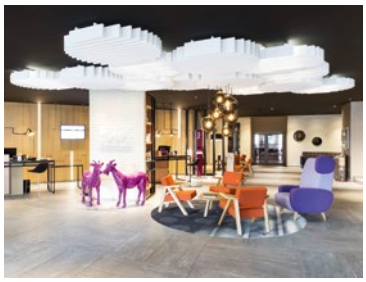
OWAconsult collection

In addition to our collaboration with Hadi Teherani, OWAconsult has a continuous program of research and development headed up by our own team of architects, acousticians, designers and technical personnel. Our continuing mission is to develop exciting products that combine product performance, aesthetics, practical application and environmental awareness.

LE CLUB ACCOR HOTELS
PRIORITY ACCESS
Mercure
FAST CHECK-OUT

OWAconsult collection

BY HADI TEHERANI



Cloud

Corpus

Square

Trapeze

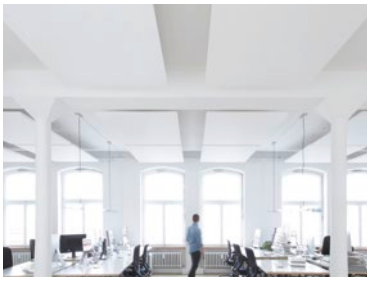
OWAconsult collection

Curve

FreeStyle baffles

OWAplan

RAW



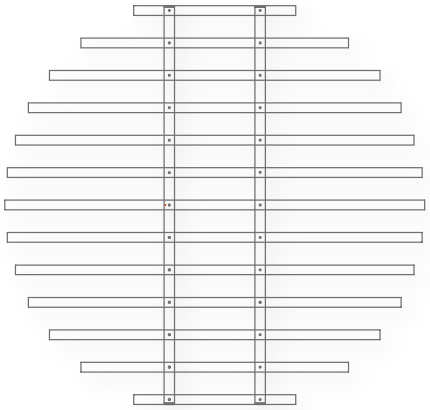
Selecta

Every Cloud has a silver lining

Cloud

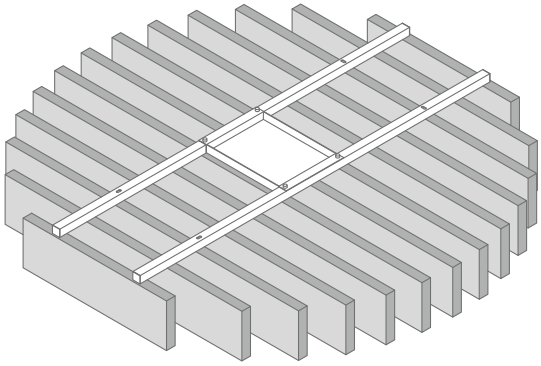
Cloud baffle kits are available in two versions, Cloud 150 and Cloud 200. They each comprise a set number of vertical baffles suspended together to form a simple, round shape on the ceiling. When installed together they can be overlapped, allowing you to create a Cloud formation. When used in projects utilizing thermal mass they can also be a major contributor to the acoustic comfort of the internal environment.

Cloud



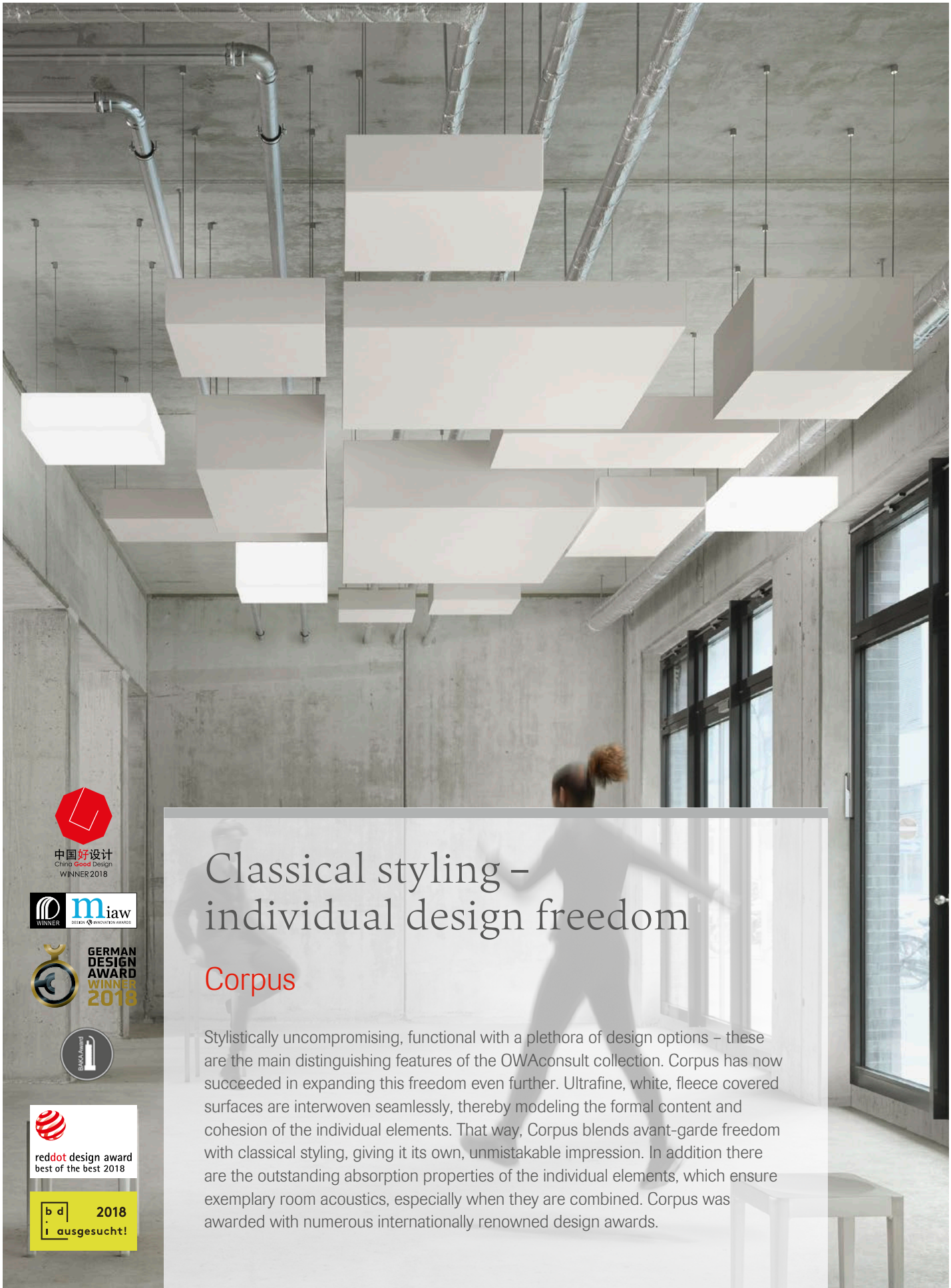
Cloud

ASTM E 1264 Classification	Type IV, form 2, pattern E
Reaction to fire	CAN/ULC-S102 (ASTM E 84) | Class A (ASTM E 1264)
Light reflection	Approx. 87 (ASTM E 1477)
Dimensions	Cloud 150: height = 6“ | diametre = approx. 51“ Cloud 200: height = 8“ | diametre = approx. 51“
Thickness (inches)	1 1/8“ nom.
Sound absorption	On request
Humidity resistance	up to 95 % RH



Cloud – construction package

Product/component description	Units/pack	Part no.	Del. Cat.
Square profile 1“ x 1“ nom. x 0,08“, length: approx. 48“, colour: white, fully assembled with connector bar	2 pieces	00079587	E
Connector bar 12“ x 8“ nom. x 0,04“, white	1 piece		
Spacer sleave 1/4“ x 1“ nom., white, for direct installation	4 pieces		
Fixing plug, diameter 1/2“ nom., white, for square profile keyholes	26 pieces		
Threaded sleeve 1/4“ x 1“ nom., for suspended installation	4 pieces		
1/4“ x 5/8“, zinc galvanized, for suspended installation	4 pieces		



Classical styling – individual design freedom

Corpus

Stylistically uncompromising, functional with a plethora of design options – these are the main distinguishing features of the OWAconsult collection. Corpus has now succeeded in expanding this freedom even further. Ultrafine, white, fleece covered surfaces are interwoven seamlessly, thereby modeling the formal content and cohesion of the individual elements. That way, Corpus blends avant-garde freedom with classical styling, giving it its own, unmistakable impression. In addition there are the outstanding absorption properties of the individual elements, which ensure exemplary room acoustics, especially when they are combined. Corpus was awarded with numerous internationally renowned design awards.

中国好设计
China Good Design
WINNER 2018

WINNER miaw DESIGN INNOVATION AWARDS

GERMAN DESIGN AWARD WINNER 2018

reddot design award
best of the best 2018

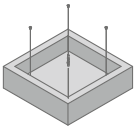
bd ausgesucht! 2018

Corpus

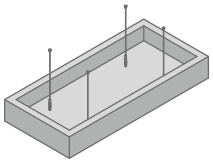
Corpus

ASTM E 1264 Classification	Type IV, form 3, pattern E
Reaction to fire	(ASTM E 84) | Class A (ASTM E 1264)
Dimensions	See below mentioned dimensions
Sound absorption	On request
Humidity resistance	up to 90 % RH

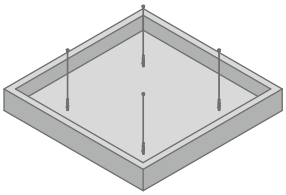
Corpus S1



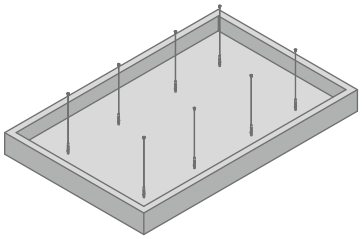
Corpus M1



Corpus L1

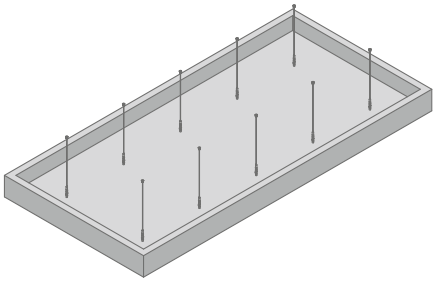


Corpus XL1



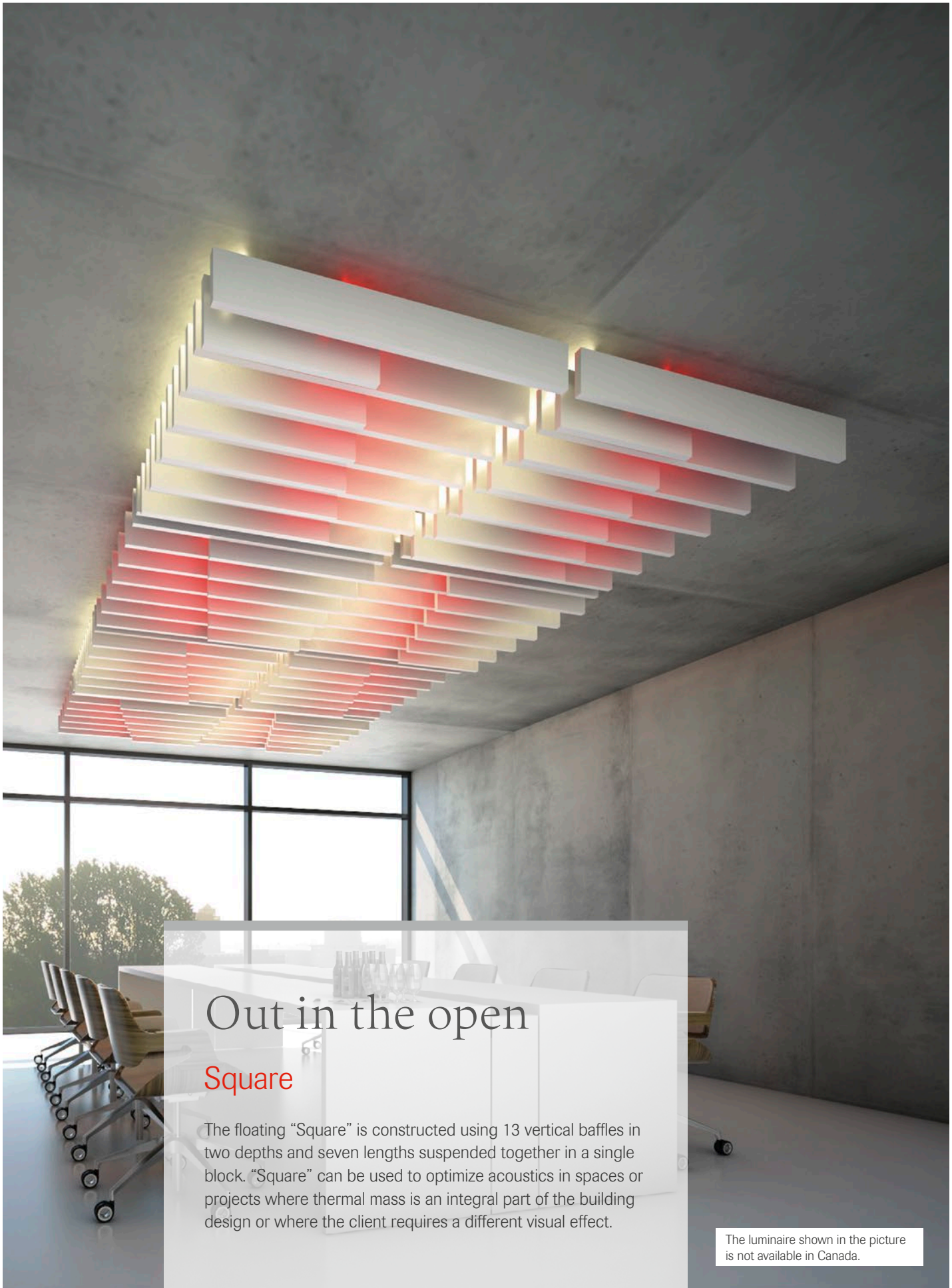
Corpus S1	height 6“, dimension 20.5“ x 20.5“
Corpus S2	height 12“, dimension 20.5“ x 20.5“
Corpus M1	height 6“, dimension 20.5“ x 44“
Corpus M2	height 12“, dimension 20.5“ x 44“
Corpus L1	height 6“, dimension 44“ x 44“
Corpus L2	height 12“, dimension 44“ x 44“
Corpus XL1	height 6“, dimension 44“ x 68“
Corpus XL2	height 12“, dimension 44“ x 68“
Corpus –L1	height 6“, dimension 44“ x 92,5“
Corpus –L2	height 12“ dimension 44“ x 92,5“

Corpus –L1



Fitting set for ceiling installation

	Component description	Part no.
Corpus S1 Corpus S2 Corpus M1 Corpus M2 Corpus L1 Corpus L2	Corpus set 1: 1 x fitting set contains 4 pieces of wire ropes, length: 1500 mm, stair bolt with rope-quick adjuster, ceiling fastener with internal thread M6; per canopy one fitting set Corpus 1 is necessary	00082764
Corpus XL1 Corpus XL2	Corpus set 2: 2 x fitting set contains 4 pieces of wire ropes, length: 1500 mm, stair bolt with rope-quick adjuster, ceiling fastener with internal thread M6; per canopy one fitting set Corpus 2 is necessary	00082764
Corpus –L1 Corpus –L2	Corpus set 3: 1 x fitting set no. 00082764 and 1 x fitting set no. 00082763, containing 4 resp. 6 pieces of wire ropes, length: 1500 mm, stair bolt with rope-quick adjuster, ceiling fastener with internal thread M6; per canopy one fitting set Corpus 3 is necessary	00082764 00082763



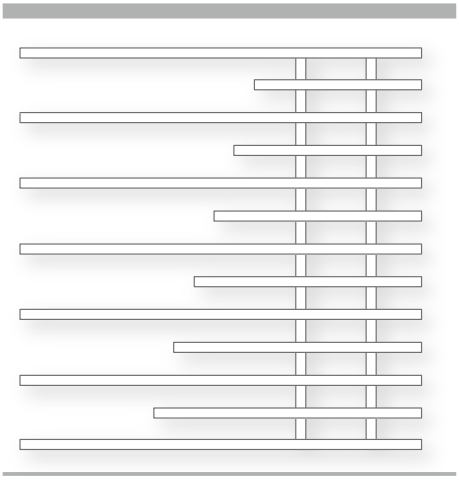
Out in the open

Square

The floating “Square” is constructed using 13 vertical baffles in two depths and seven lengths suspended together in a single block. “Square” can be used to optimize acoustics in spaces or projects where thermal mass is an integral part of the building design or where the client requires a different visual effect.

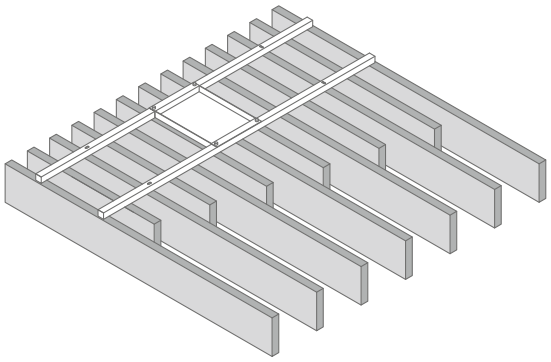
The luminaire shown in the picture is not available in Canada.

Square



Square

ASTM E 1264 Classification	Type IV, form 2, pattern E
Reaction to fire	CAN/ULC-S102 (ASTM E 84) | Class A (ASTM E 1264)
Light reflection	Approx. 87 (ASTM E 1477)
Dimensions	Height: 6“, 8“ nom. | Dimension: approx. 48“ x 48“ nom.
Thickness (inches)	1 1/8“ nom.
Sound absorption	On request
Humidity resistance	up to 95 % RH



Square – construction package

Product/component description	Units/pack	Part no.	Del. Cat.
Square profile 1“ x 1“ x 0,08“, length: approx. 48“, colour: white, fully assembled with connector bar	2 pieces	00079587	E
Connector bar 12“ x 8“ nom. x 0,04“, white	1 piece		
Spacer sleave 1/4“ x 1“ nom., white, for direct installation	4 pieces		
Fixing plug, diameter: 1/2“ nom., white, for square profile keyholes	26 pieces		
Threaded sleeve 1/4“ x 1“ nom., for suspended installation	4 pieces		
1/4“ x 5/8“, zinc galvanized, for suspended installation	4 pieces		

A revolution in ceiling design

Trapeze

Creating an inspired design with integrated lighting, acoustic performance and aesthetics all in one ceiling can only be the result of inspired design and lateral thinking. With its delicate diagonal and perpendicular lines emphasized by the soft complementary, energy efficient Trapeze LED, this design offers a subtle visual interest.

Trapeze

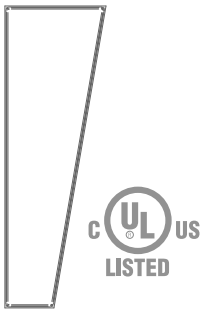
Trapeze

ASTM E 1264 Classification	Type IV, form 2, pattern E
Reaction to fire	CAN/ULC-S102 (ASTM E 84) | Class A (ASTM E 1264)
Light reflection	Approx. 87 (ASTM E 1477)
Dimensions	Trapeze 1: 48“ x 16“ / 8“ Trapeze 2: 24“ x 48“ Trapeze 4: 24“ x 48“
Thickness (inches)	3/4“ nom.
Sound absorption	NRC = 0.75
Humidity resistance	up to 95 % RH

Trapeze 1

Trapeze 2

Trapeze 4



Trapeze LED A
UL-certified

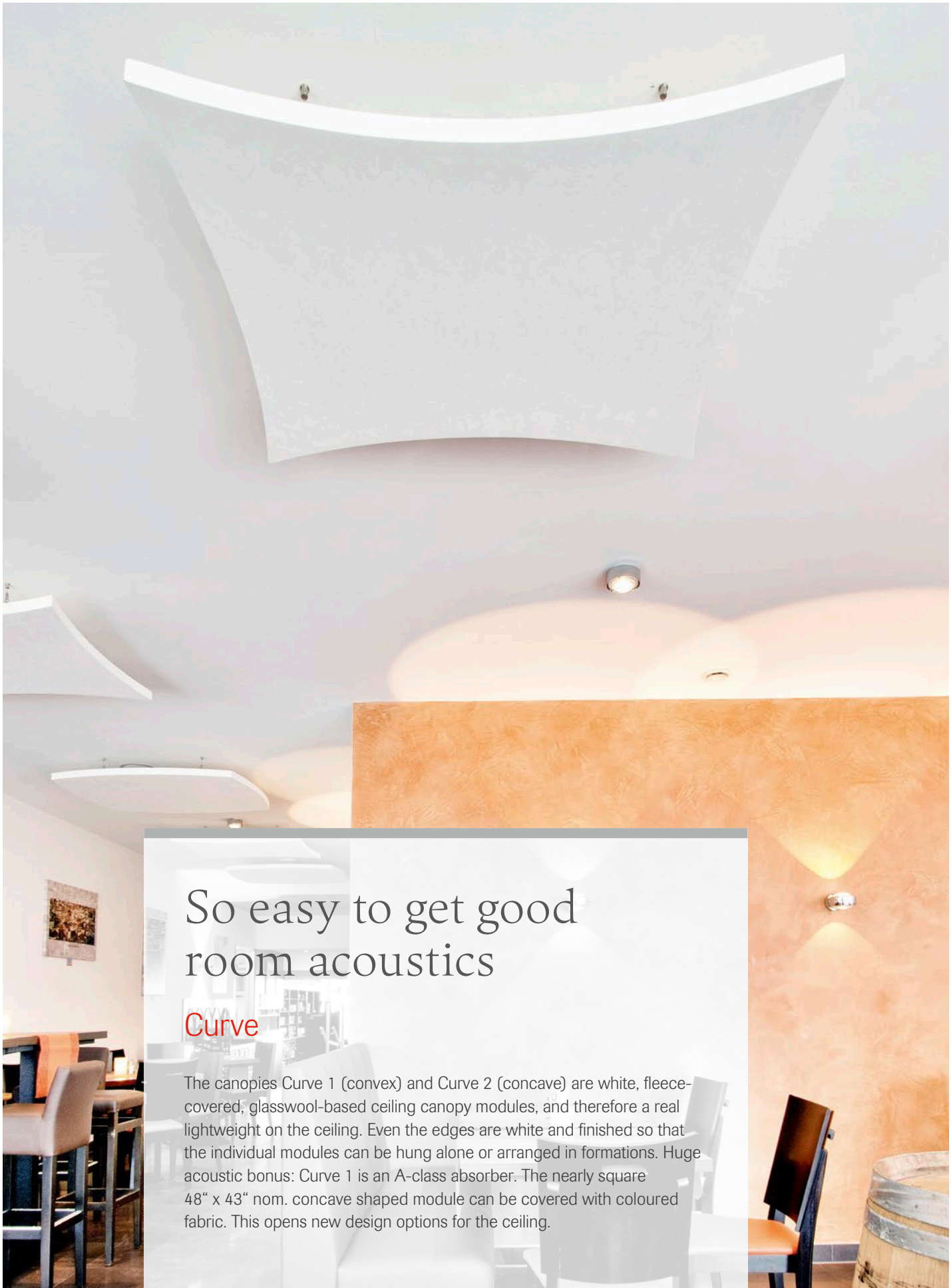
Relevant suspension system

S 15b OWAline

(see page 67 for detailed information)

Possible dimensions and edges

Module size in inches	RE bolt-slot
16“ / 8“ x 48“	
24“ x 48“	

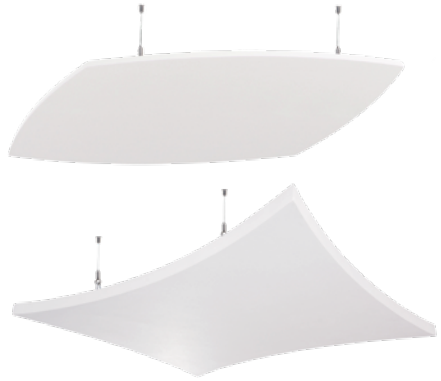


So easy to get good room acoustics

Curve

The canopies Curve 1 (convex) and Curve 2 (concave) are white, fleece-covered, glasswool-based ceiling canopy modules, and therefore a real lightweight on the ceiling. Even the edges are white and finished so that the individual modules can be hung alone or arranged in formations. Huge acoustic bonus: Curve 1 is an A-class absorber. The nearly square 48“ x 43“ nom. concave shaped module can be covered with coloured fabric. This opens new design options for the ceiling.

Curve

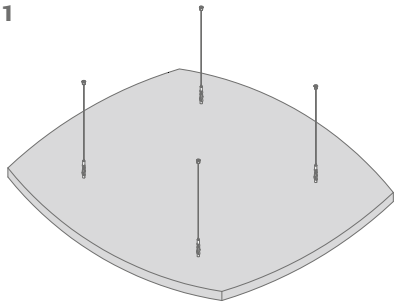


Curve

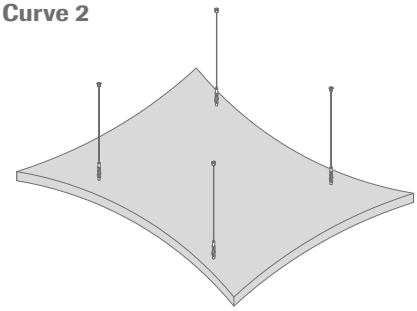
ASTM E 1264 Classification	Type IV, form 3, pattern E
Reaction to fire	Fleece: (ASTM E 84) | Class A (ASTM E 1264) Fabric: (ASTM E 84) | Class B (ASTM E 1264)
Visible side	Fleece, white or coloured fabric
Edges	Fleece, white or coloured fabric
Dimensions	Curve 1: 39“ x 48“ nom. Curve 2: 36“ x 43“ nom.
Thickness (inches)	1 5/8“
Sound absorption	On request
Humidity resistance	up to 90 % RH

Fleece:

Curve 1



Curve 2



Fitting set for ceiling installation

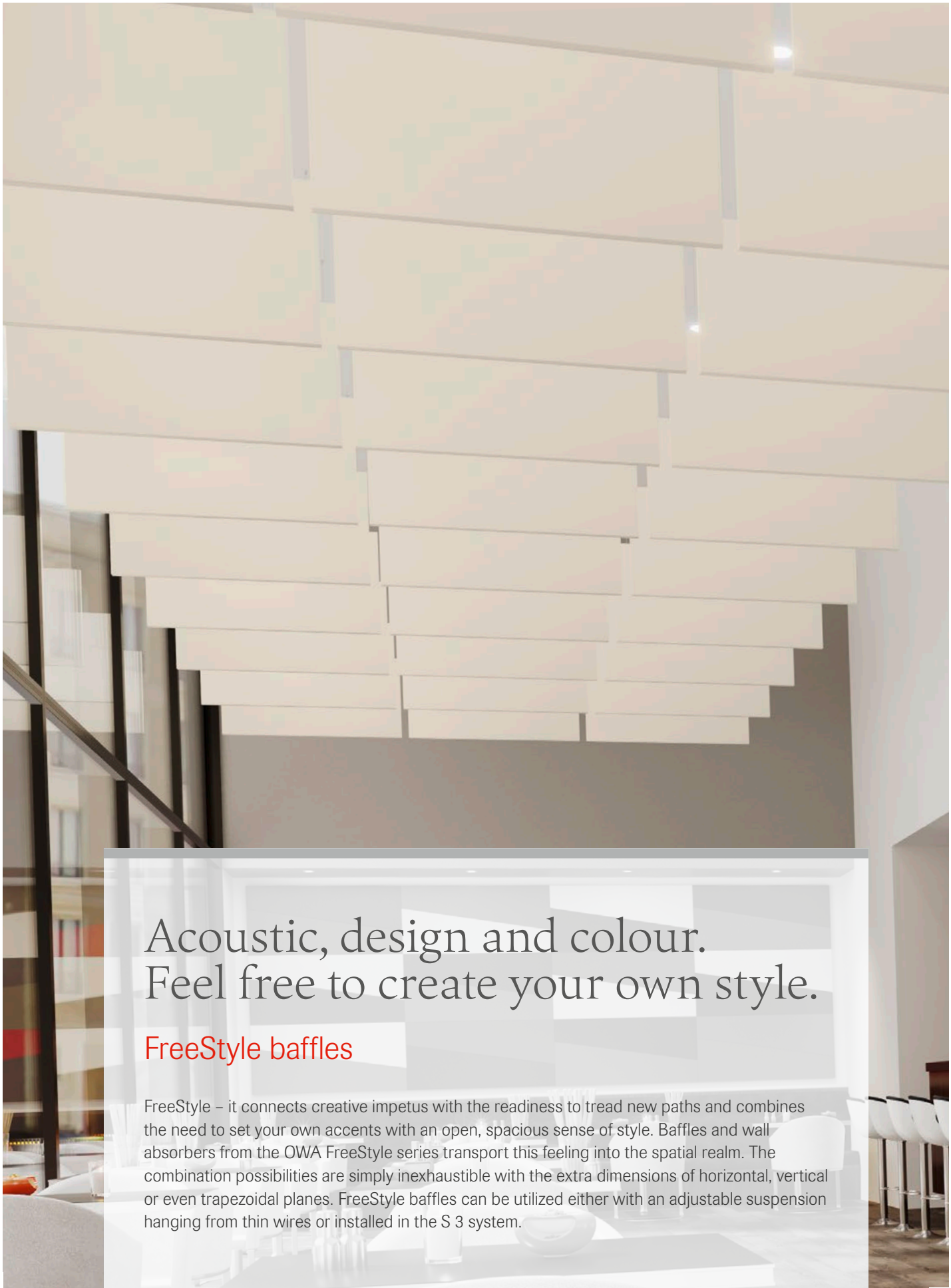
Component description	Part no.
Fitting set contains 4 pieces of wire ropes, length: 1500 mm, stair bolt with rope-quick adjuster, fixture of ceiling M6	00082764

Please order one fitting set per canopy.

Fitting set for wall installation

Component description	Part no.
Wall installation set of 4 pieces | one set includes 4 pieces of wall claws	00073602

Please order one fitting set per wall absorber.

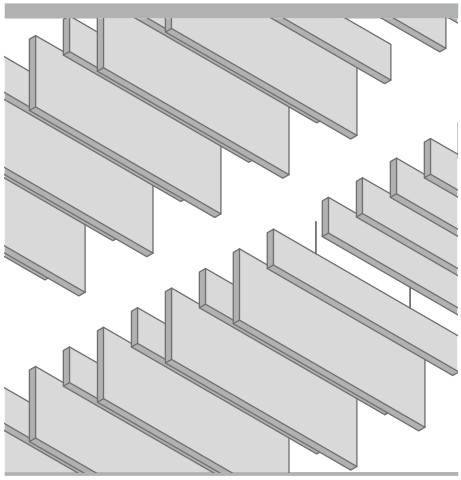


Acoustic, design and colour. Feel free to create your own style.

FreeStyle baffles

FreeStyle – it connects creative impetus with the readiness to tread new paths and combines the need to set your own accents with an open, spacious sense of style. Baffles and wall absorbers from the OWA FreeStyle series transport this feeling into the spatial realm. The combination possibilities are simply inexhaustible with the extra dimensions of horizontal, vertical or even trapezoidal planes. FreeStyle baffles can be utilized either with an adjustable suspension hanging from thin wires or installed in the S 3 system.

FreeStyle baffles

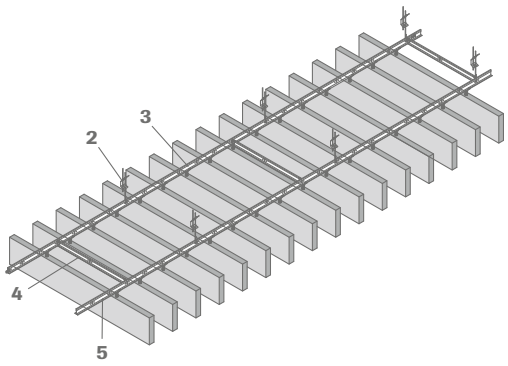


FreeStyle baffles

ASTM E 1264 Classification	Type IV, form 3, pattern E
Reaction to fire	Fleece: (ASTM E 84) | Class A (ASTM E 1264) Fabric: (ASTM E 84) | Class B (ASTM E 1264)
Visible side	Fleece, white or coloured fabric
Edges	Fleece, white or coloured fabric
Dimensions	8“ / 16“ / 24“ x 48“
Thickness (inches)	1 5/8“
Sound absorption	On request
Humidity resistance	up to 90 % RH

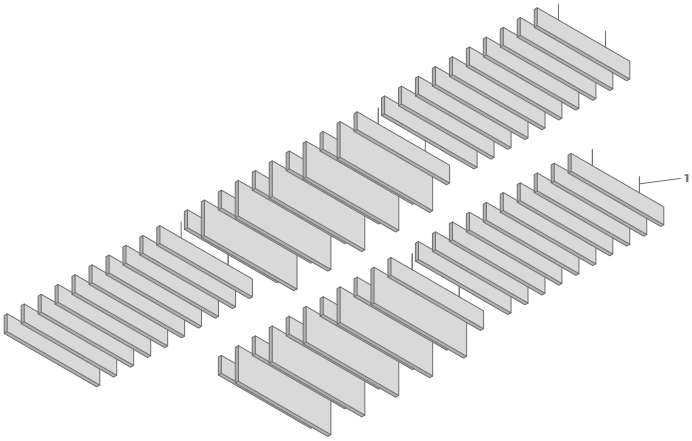
Fleece:

FreeStyle baffles – System OWAcliq 15/16



FreeStyle S: 8“ x 48“ x 1 5/8“
FreeStyle M: 16“ x 48“ x 1 5/8“
FreeStyle L: 24“ x 48“ x 1 5/8“

FreeStyle baffles – Wire suspension



Fitting set for wire suspension

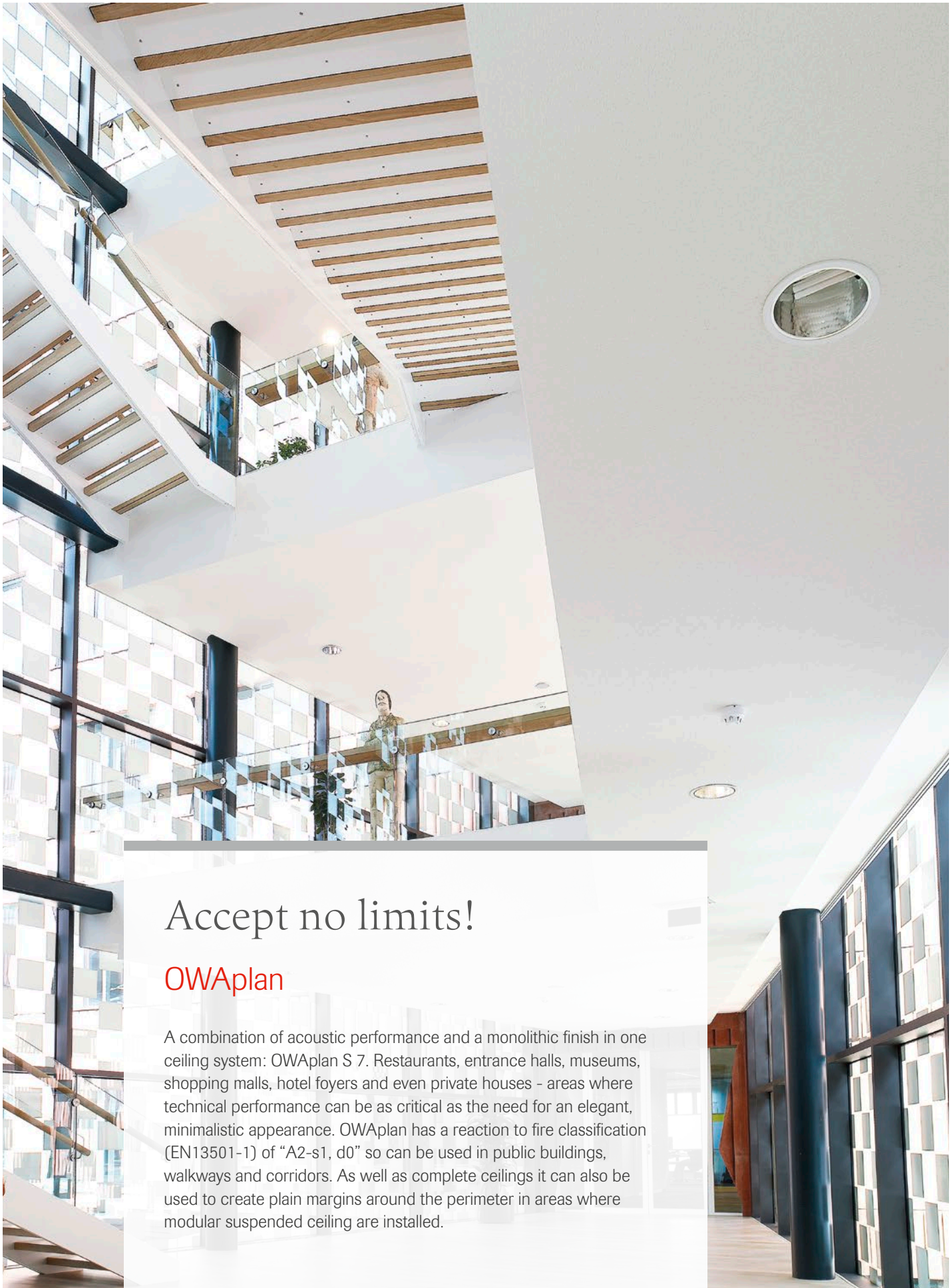
	Component description/dimension	Part no.
1	Fitting set contains: 2 pcs. of wire rope (length 1500 mm), stair bolt with rope-quick adjuster, M6 ceiling fixing	00082765

Please order one fitting set per baffle.

Fitting set with System OWAcliq 15/16

	Product no.	Product/component description	Part no.	Units/pack
2	12/.../2	Adjustable hanger with double tension spring diameter: 0.16“, maximum load: 0,25 KN, max. range of extension: 11“ a wire overhang of at least 5/8“ must be provided Axial distance of the hangers according to the height of baffles and the combination of baffles		100 pieces
3	cliq-15/16-MR	Main tee, height: 1 1/2“, width: 15/16“, length: 148“, visible side: white		25 pieces
4	cliq-15/16-CT	Cross tee, height: 1“, width: 15/16“, length: 25“, visible side: white, distance: < 1562.5 mm		75 pieces
5		Fitting set for system S 3 contains: 2 pcs. fastening clips (incl. hanger brackets) and 2 pcs. stair bolts (incl. head geometry for hanger bracket)	00082766	2 pieces

Please order one fitting set per baffle.

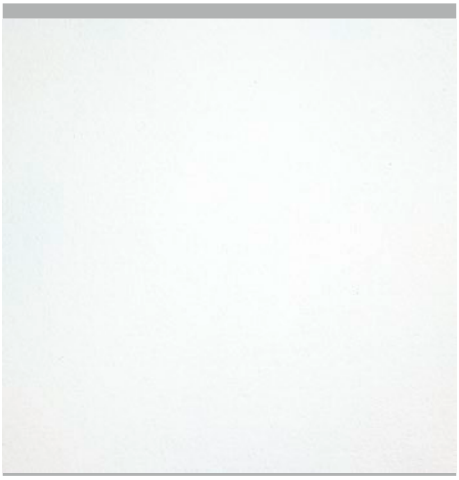


Accept no limits!

OWAplan

A combination of acoustic performance and a monolithic finish in one ceiling system: OWAplan S 7. Restaurants, entrance halls, museums, shopping malls, hotel foyers and even private houses - areas where technical performance can be as critical as the need for an elegant, minimalistic appearance. OWAplan has a reaction to fire classification (EN13501-1) of “A2-s1, d0” so can be used in public buildings, walkways and corridors. As well as complete ceilings it can also be used to create plain margins around the perimeter in areas where modular suspended ceiling are installed.

OWAplan^{70}/OWAplan^{90}



OWAplan

ASTM E 1264 Classification	Type IV, form 2, pattern E
Reaction to fire	A2-s1,d0 (EN 13501-1)
Dimensions	48“ x 96“
Sound absorption	NRC = 0.70 (OWAplan^{70}) NRC = 0.90 (OWAplan^{90})
Humidity resistance	up to 95 % RH

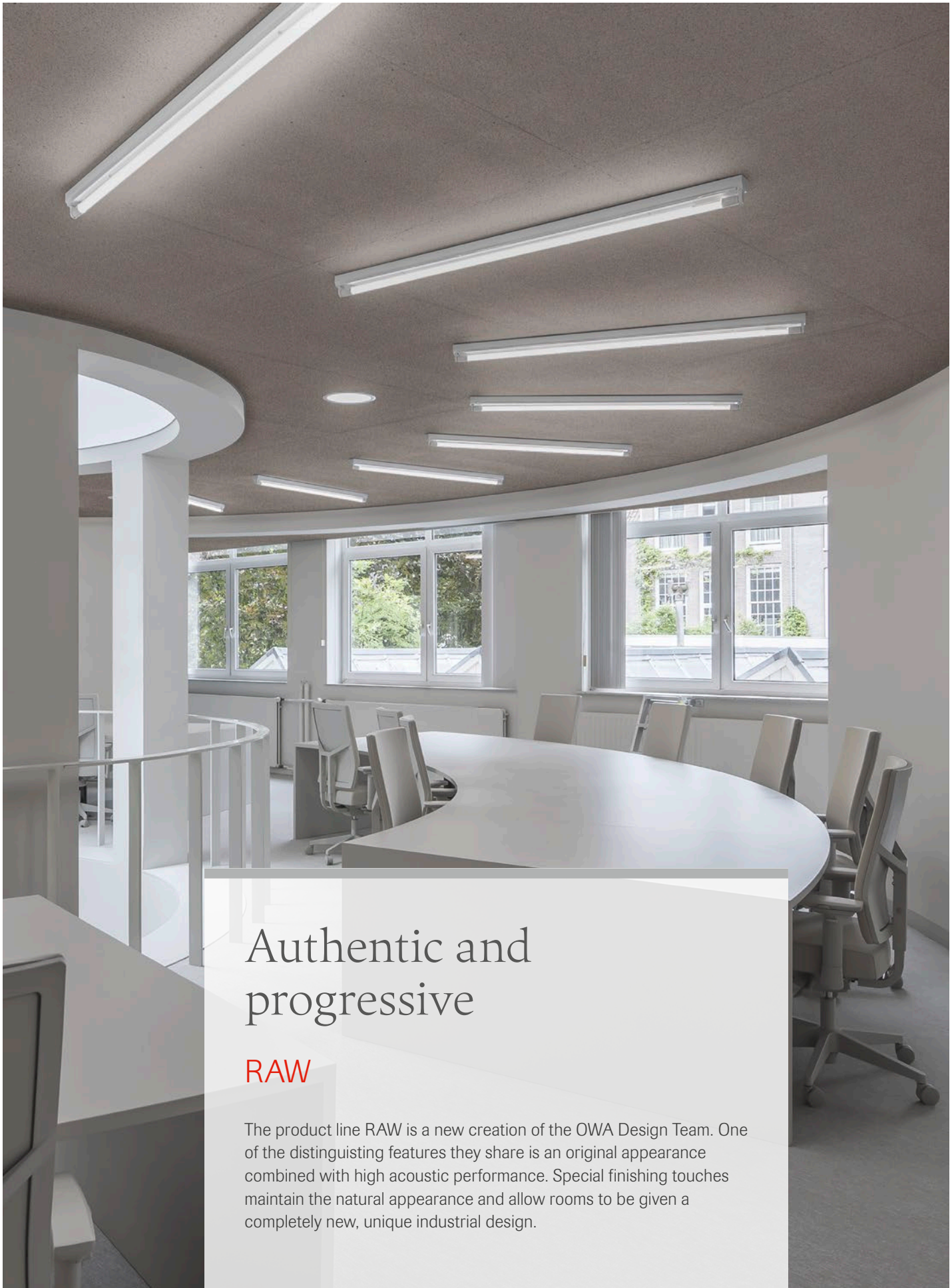
Relevant suspension system

S 7

(see page 70 for detailed information)

Possible dimensions and edges

Module size in inches	SQ
48“ x 96“	



Authentic and progressive

RAW

The product line RAW is a new creation of the OWA Design Team. One of the distinguisting features they share is an original appearance combined with high acoustic performance. Special finishing touches maintain the natural appearance and allow rooms to be given a completely new, unique industrial design.

RAW

Surface example RAW concrete

ASTM E 1264 Classification	ASTM Type III, Form 2, Pattern E (grey) ASTM Type III, Form 2, Pattern CD (concrete)
Reaction to fire	CAN/ULC-S102 (ASTM E 84) | Class A (ASTM E 1264)
Dimensions	24“ x 80“
Thickness (inches)	3/4“ nom.
Sound absorption	NRC = 0.90 (grey) NRC = 0.70 (concrete)
Humidity resistance	up to 95 % RH

RAW grey

RAW concrete

Relevant suspension system

S 7

(see page 70 for detailed information)

Possible dimensions and edges

Module size in inches	SQ
24“ x 80“	

Geometry of the exclusive

Selecta

Do you combine form consciousness with high acoustic demands on your working environment? If so, then go for Selecta, an exclusive series made of light glasswool absorbers in the A-class format. You can choose from six striking basic forms with white underside views. They can be freely combined for highly expressive geometries. The fleece-lined ceiling canopies, measuring up to 48“ x 96“, are suspended with ceiling attachments and cables up to 5‘ in length and open up countless options for creative acoustic solutions beneath almost any structure.

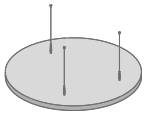
Selecta

ASTM E 1264 Classification	Type IV, form 3, pattern E
Reaction to fire	Fleece: (ASTM E 84) | Class A (ASTM E 1264) Fabric: (ASTM E 84) | Class B (ASTM E 1264)
Visible side	Fleece, white or coloured fabric
Edges	Fleece, white or coloured fabric
Dimensions	See below dimensions
Thickness (inches)	1 5/8“
Sound absorption	On request
Humidity resistance	up to 90 % RH

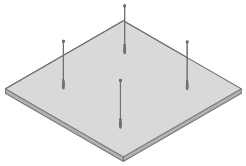
Selecta

Fleece:

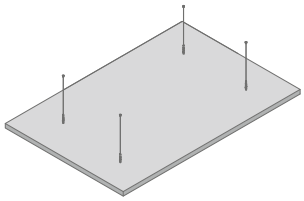
Selecta loop



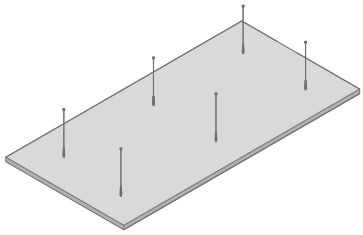
Selecta one



Selecta plus

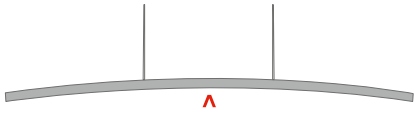


Selecta grande

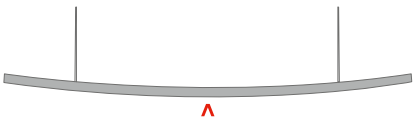


Selecta one:	48“ x 48“ x 1 5/8“
Selecta concav:	48“ x 48“ x 1 5/8“
Selecta convex:	48“ x 48“ x 1 5/8“
Selecta plus:	48“ x 71“ x 1 5/8“
Selecta grande:	48“ x 94“ x 1 5/8“
Selecta loop:	diameter 48“ x 1 5/8“
Selecta loop:	diameter 39“ x 1 5/8“
Selecta loop:	diameter 31“ x 1 5/8“

Selecta concav



Selecta convex



Fitting set for ceiling installation

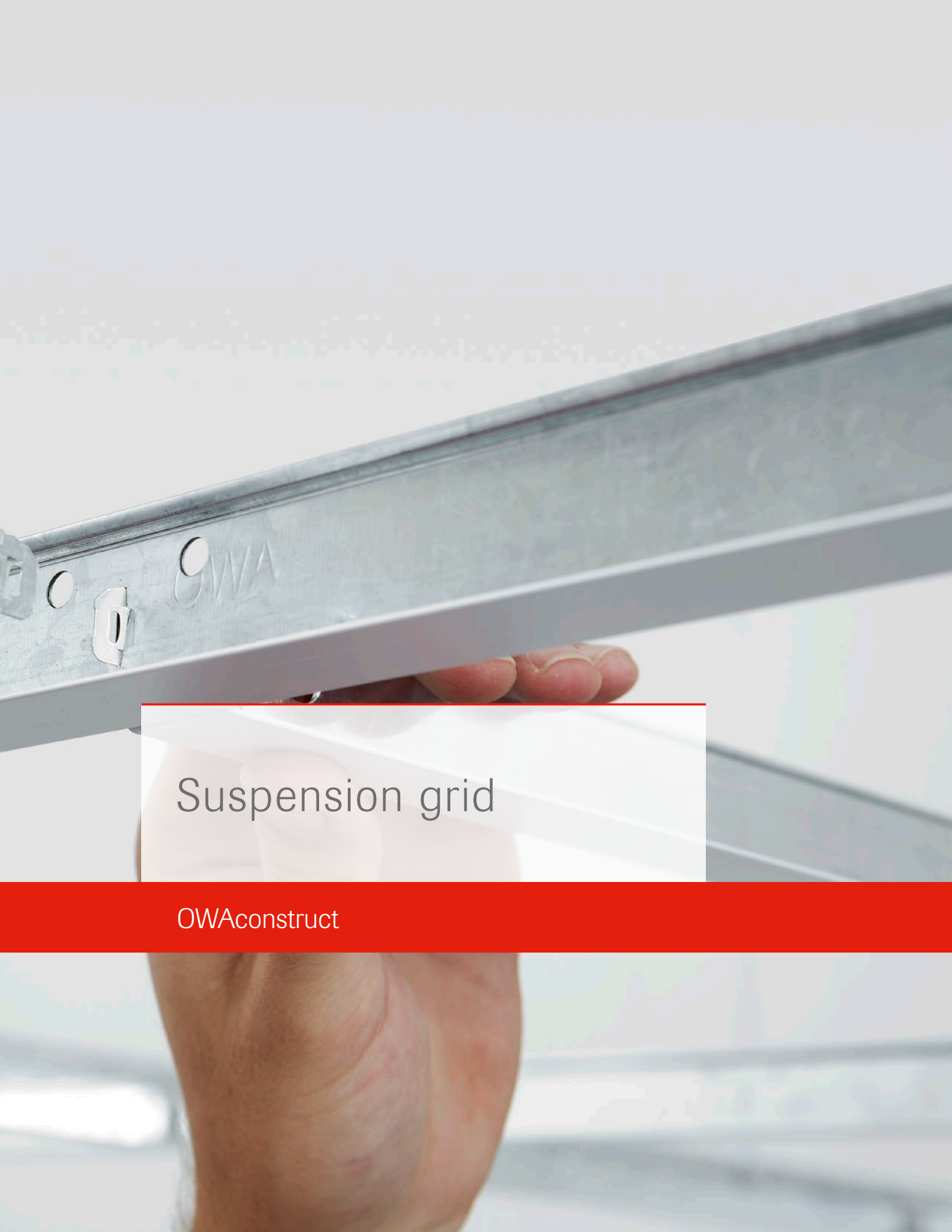
	Component description	Part no.
Selecta one, concav, convex, plus	Fitting set contains 4 pieces of wire ropes, 1500 mm, stair bolt with rope-quick adjuster, fixture of ceiling M6	00082764
Selecta grande	Fitting set contains 6 pieces of wire ropes, 1500 mm, stair bolt with rope-quick adjuster, fixture of ceiling M6	00082763
Selecta loop	Fitting set contains 3 pieces of wire ropes, 1500 mm, stair bolt with rope-quick adjuster, fixture of ceiling M6	00082762

Please order one fitting set per canopy.

Fitting set for wall installation

	Component description	Part no.
Wall installation set of 4	One set includes 4 wall claws (for Selecta one and plus)	00073602
Wall installation set of 6	One set includes 6 wall claws (for Selecta grande and for 2 pieces of Selecta loop)	00073603

Please order one fitting set per wall absorber.

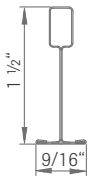


Suspension grid

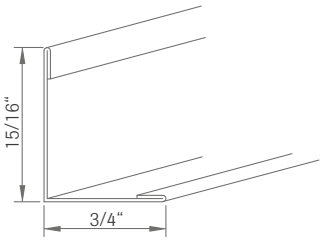
OWAconstruct

OWAcliq 9/16

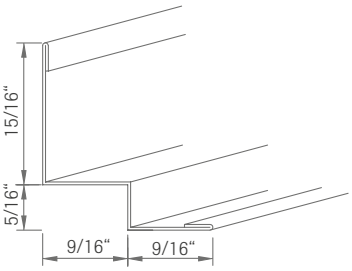
The narrow 9/16” face of this grid diminishes the effect of the grid module while still providing a landing plane for lighting and air diffusers. Cliq end cross tees provide override ends with staked-on clip connections. The cross tees feature override ends and staked-on clip connections meeting the E-580 compression and tension tests.



Main runner cliq-9/16-MR
Cross tee cliq-9/16-CT



Wall angle no. 50G

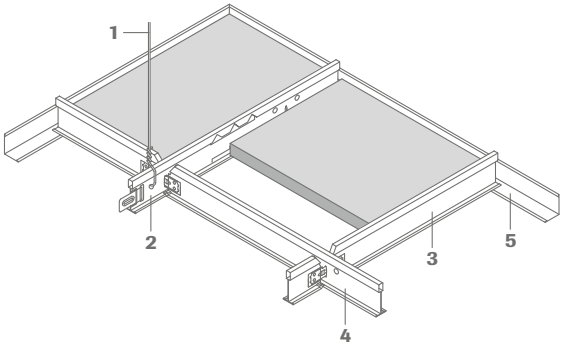


Shadow mold no. 50/15G

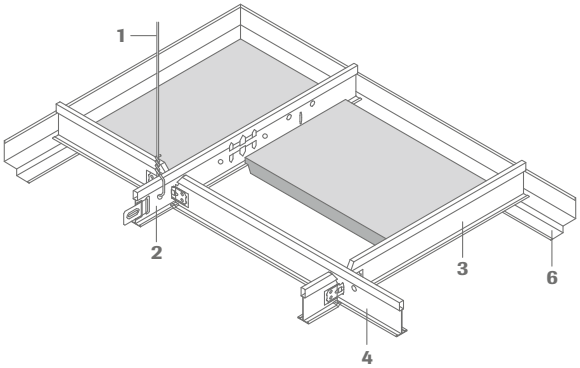
OWAcliq 9/16

	Description/rating per ASTM C-635	Pcs/ ctn	LF/ ctn	Weight/ ctn	Ctns/ pallet
cliq-9/16-MR	12’ main runner, (Cliq system), 9/16”, white	20	240	48	48
cliq-9/16-CT	4’ cross tee, 9/16”, cliq end, white	60	240	48	48
cliq-9/16-CT	2’ cross tee, 9/16”, cliq end, white	60	120	24	48
50G	12‘ wall angle 3/4” x 15/16”, white	40	480	64	96
50/15G	12’ shadow mold, 15/16” x 9/16” x 5/16” x 9/16”, white	35	420	79	To order

S 15 cliq

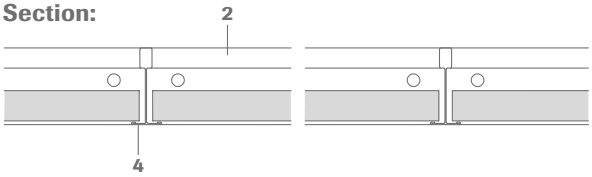


S 15a cliq

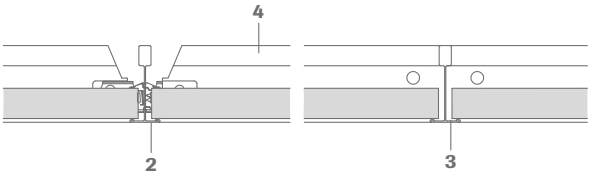


1 Wire (by client)
2 Main runner cliq-15/16-MR, slotted every 6“
3 Cross tee cliq-15-CT, length 2’
4 Cross tee cliq-15-CT, length 4’
5 Wall angle no. 50G
6 Shadow mold no. 50/15G
7 Contura block no. 42/15

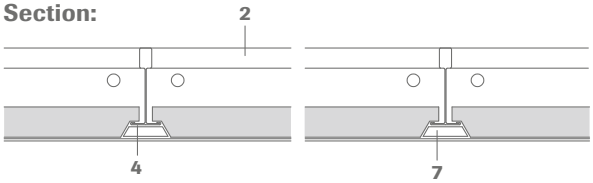
Section:



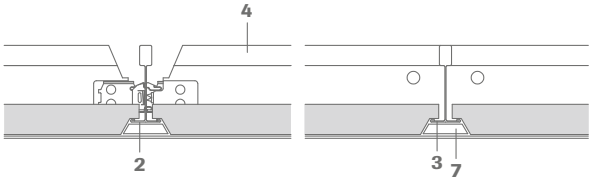
Cross section:



Section:



Cross section:



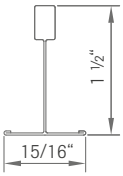
Technical data

Dimensions	Module sizes: 24“ x 24“, 24“ x 48“
Edge detail	SQ RE 15/16
Reaction to fire	OWAcoustic premium tiles: (ASTM E 84) | class A (ASTM E 1264) OWAconstruct suspension parts: (ASTM E 84) | class A (ASTM E 1264)
Metal suspension	All metal components listed are galvanized steel or white coated galvanized steel respectively.
Suspension depth	3“ - 4“ (depending on the existing structural ceiling) for ease of panel removal 5“ is recommended

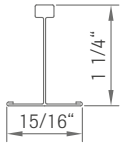
OWAcliq systems are designed and manufactured to provide installers and building owners with strong, tight, long-lasting acoustical ceiling suspension.

OWAcliq 15/16

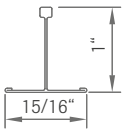
These economical 15/16" systems interface perfectly with standard building components such as lighting and air diffusers. The cliq cross tees feature override ends and staked-on clip connections meeting the E-580 compression and tension tests.



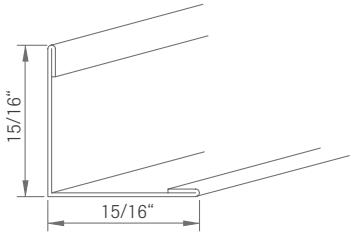
Main runner
cliq-15/16-MR



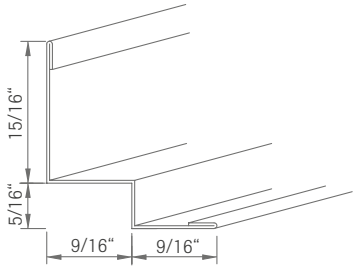
Cross tee
cliq-15/16-CT long



Cross tee
cliq-15/16-CT short



Wall angle
no. 51/24G

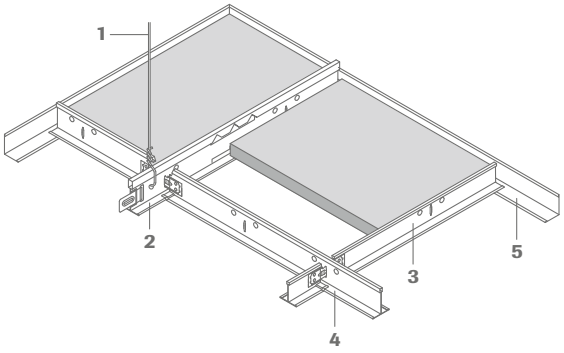


Shadow mold
no. 50/15G

OWAcliq 15/16

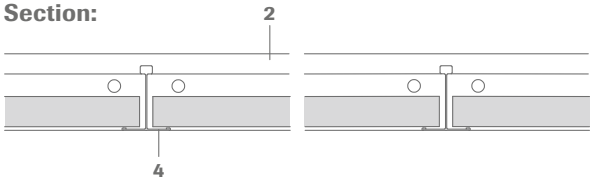
	Description/rating per ASTM C-635	Pcs/ ctn	LF/ ctn	Weight/ ctn	Ctns/ pallet
cliq-15/16-MR	12' main runner, (Cliq system), 15/16", white	20	240	58	48
cliq-15/16-CT	4' cross tee, 15/16", cliq end, white	60	240	50	48
cliq-15/16-CT	2' cross tee, 15/16", cliq end, white	60	120	21	48
51/24G	12' wall angle, 15/16" x 15/16", white	40	480	72	96
50/15G	12' shadow mold, 15/16" x 9/16" x 5/16" x 9/16", white	35	420	79	To order

S 3 cliq

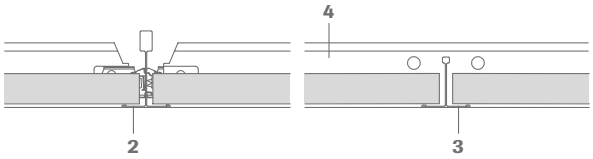


1 Wire (by client)
2 Main runner cliq-15/16-MR, slotted every 6“
3 Cross tee cliq-15/16-CT, length 2’
4 Cross tee cliq-15/16-CT, length 4’
5 Cross angle no. 51/24G
6 Shadow mold no. 50/15G
7 Contura block no. 42/24

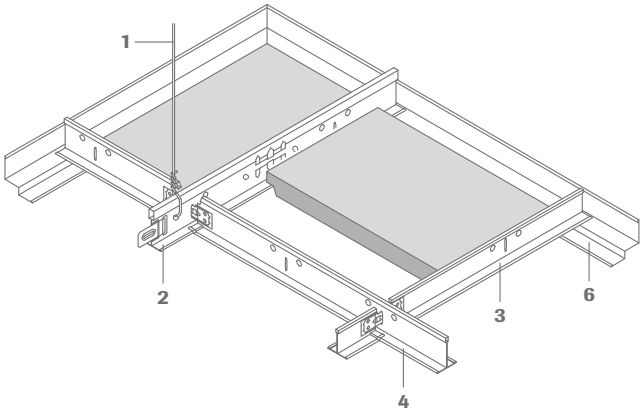
Section:



Cross section:



S 3a cliq



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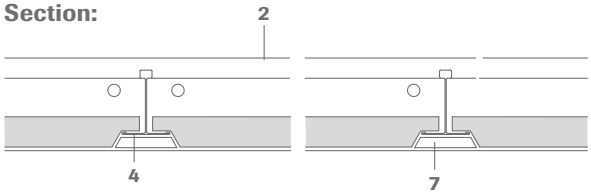
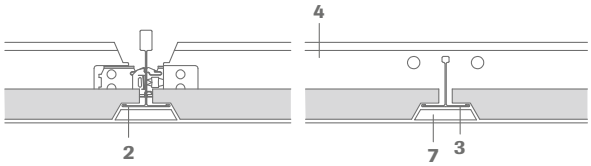


Cross section:

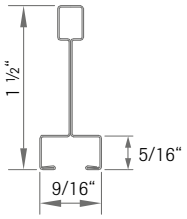


Technical data

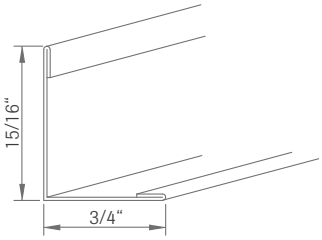
Dimensions	Module sizes: 24“ x 24“, 24“ x 48“
Edge detail	SQ RE 15/16
Reaction to fire	OWAcoustic premium tiles: (ASTM E 84) | class A (ASTM E 1264) OWAconstruct suspension parts: (ASTM E 84) | class A (ASTM E 1264)
Metal suspension	All metal components listed are galvanized steel or white coated galvanized steel respectively.
Suspension depth	3“ - 4“ (depending on the existing structural ceiling) for ease of panel removal 5“ is recommended

OWAline 9/16

The OWAline 9/16" grid offers designers a more monolithic appearance as the grid and panel faces are in the same plane. The 1/4" slot is useful for partition attachment as well as signage placement. The recess can be white or black to accentuate the module lines. The cross tees have integral end details and mitered ends for a tailored appearance.



Main runner no. 3500
Cross tee no. 3512, 3514, 3524

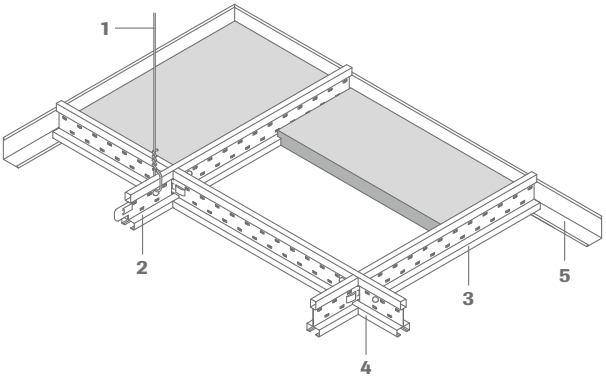


Wall angle no. 50G

OWAline 9/16

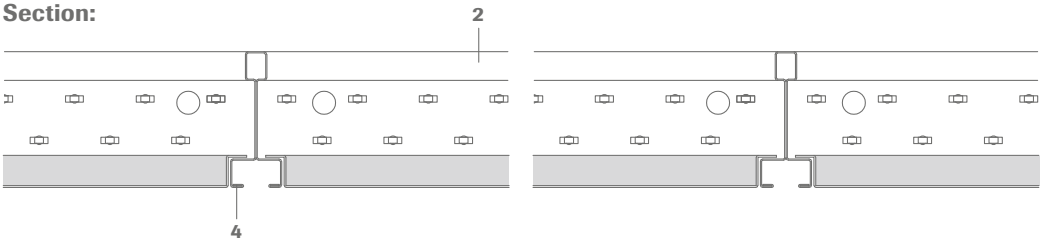
	Description/rating per ASTM C-635	Pcs/ ctn	LF/ ctn	Weight/ ctn	Ctns/ pallet
3500	12' main runner, 9/16", slotted, white / white	20	240	48	63
3514	4' cross tee, 9/16", slotted, white / white, notched two sides	60	240	48	90
3524	4' cross tee, 9/16", slotted, white / white, no notches	60	240	48	90
3512	2' cross tee, 9/16", slotted, white / white	60	120	24	63
50G	12' wall angle 3/4" x 15/16", white	40	480	64	96
3500	12' main runner, 9/16", slotted, ID, white / black recess	20	240	48	63
3514	4' cross tee, 9/16", slotted, white / black recess, notched two sides	60	240	48	90
3512	2' cross tee, 9/16", slotted, white / black recess	60	120	48	90

S 15b OWAline

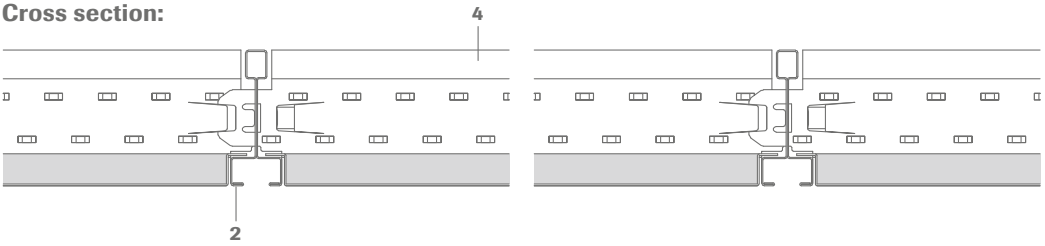


1 Wire (by client)
2 Main runner no. 3500, slotted
3 Cross tee no. 3512, length 2'
4 Cross tee no. 3514, length 4'
5 Wall angle no. 50G

Section:

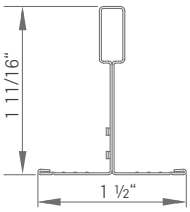


Cross section:

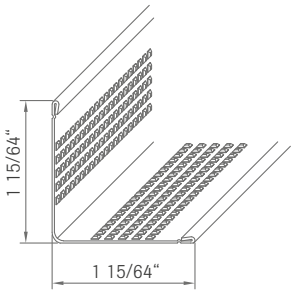


Technical data

Dimensions	Module sizes: 24" x 24", 24" x 48"
Edge detail	RE bolt-slot
Reaction to fire	OWAcoustic premium tiles: (ASTM E 84) | class A (ASTM E 1264) OWAconstruct suspension parts: (ASTM E 84) | class A (ASTM E 1264)
Metal suspension	All metal components listed are galvanized steel or white coated galvanized steel respectively.
Suspension depth	3" - 4" (depending on the existing structural ceiling) for ease of panel removal 5" is recommended



Main runner DG-MR-3660
Cross tee DG-CT-610
Cross tee DG-CT-1220

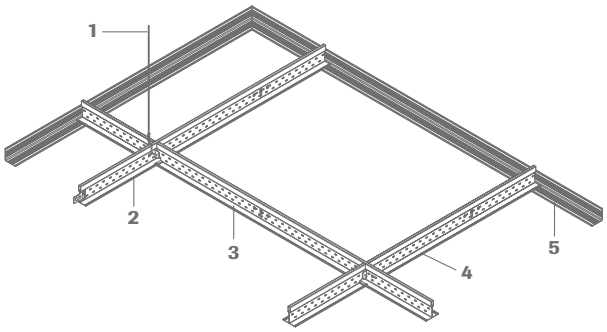


Wall angle DG-WT-3660

Drywall grid

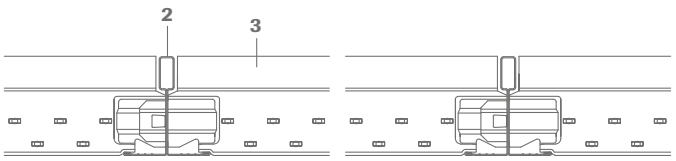
	Description/rating per ASTM C-635	Pcs/ctn	LF/ctn
DG-MR-3660	12’ main runner, 1 ½”, galvanized	10	120
DG-CT-1220	4’ cross tee, 1 ½”, snap end, galvanized	32	128
DG-CT-610	2’ cross tee, 1 ½”, snap end, galvanized	32	64
DG-WT-3660	12’ wall angle 1 15/64” x 1 15/64”, galvanized	20	240

Drywall grid

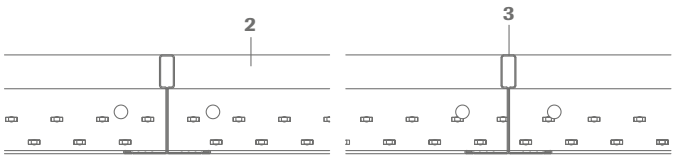


1 Wire
2 Main tee DG-MR-3660
3 Cross tee DG-CT-1220
4 Cross tee DG-CT-610
5 Wall angle DG-WT-3660

Section:



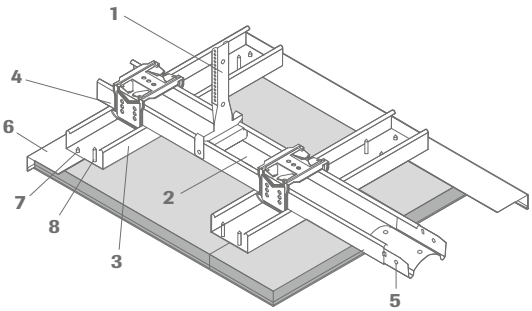
Cross section:

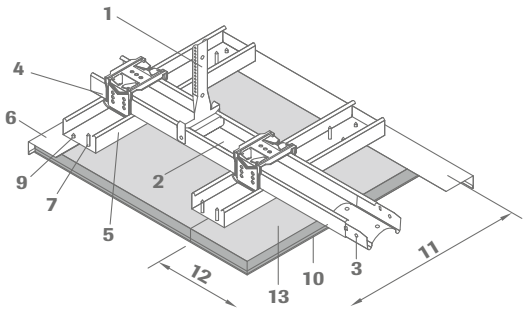


Technical data

Reaction to fire	(ASTM E 84) | class A (ASTM E 1264)
Metal suspension system	All metal components listed are galvanized steel
Loadbearing capacity	Heavy duty (ASTM C 635/C635M)

S 7





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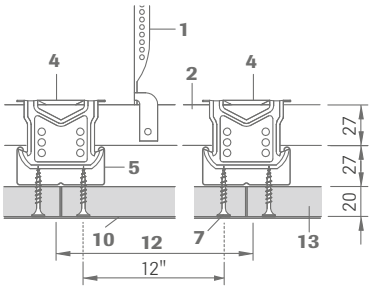
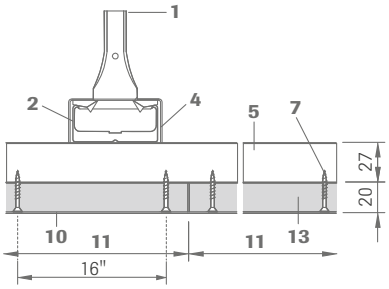
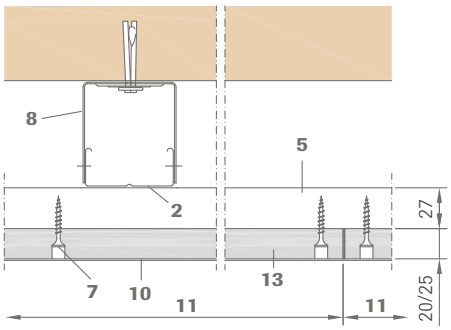


Cross section:

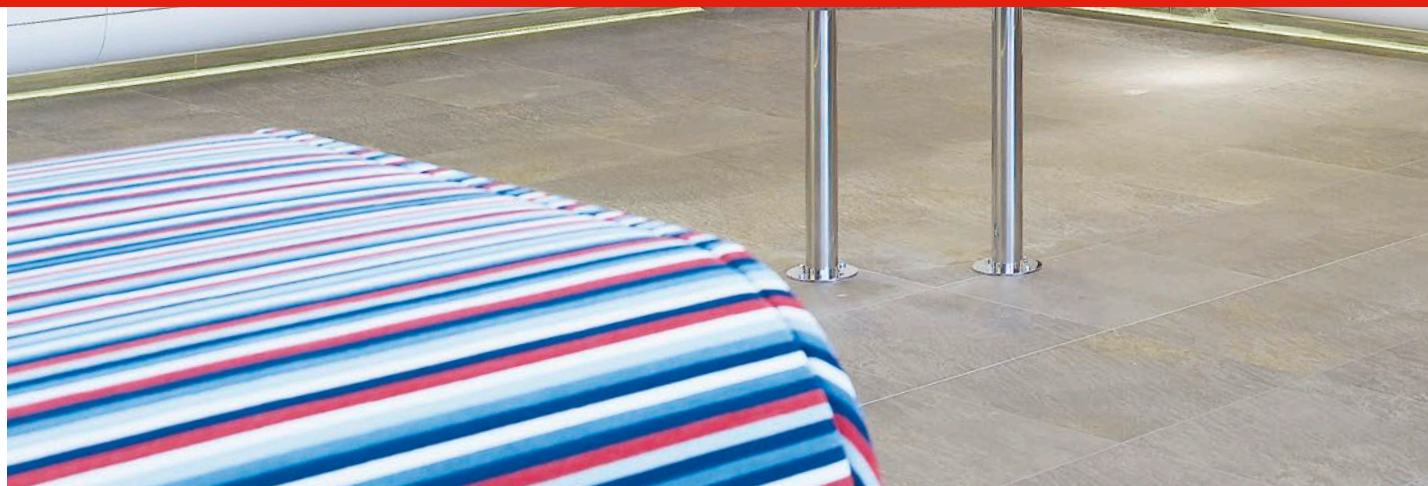


Direct fixing:



S 7 – suspension system

	Product no.	Product/component description	Units/pack
1	2001*[1]	Lower nonius hanger for primary CD profile 2 3/16“ x 1“ nom., length: 5‘, maximum load: 0.40 kN, zinc galvanized	100 pieces
	76	Safety pin for Nonius hanger, length: approx. 2 3/4“, thickness: 0.118“, zinc galvanized	100 pieces
	2002	Adjustable direct hanger, adjustment range: 1“ - 3“ nom., zinc galvanized, incl. 2 safety pins	100 pieces
2	2003	Primary CD profile 2 3/16“ x 1“ nom., length: 13‘, support grid spacing 39“	12 pieces
3	2003	Primary CD profile 2 3/16“ x 1“ nom., length: 13‘, support grid spacing 16“	12 pieces
4	2004	Cross connector, height: 1 9/16“, width: 2 3/16“, depth: 1 3/4“ nom., zinc galvanized	100 pieces
5	2005	CD profile connector, height: 1“ nom., width: 2 3/16“, length: 3 1/8“, zinc galvanized	100 pieces
6	51 / 22	Wall angle, height: 2“ nom., width: 7/8“, thickness: 0.028“, length: 10‘ nom., visible side: white	10 pieces
	51 / 22-O	Curved wall profile, column half-ring (see brochure 9670 curved wall profiles)	bulk-packed
7	2024	Screws for no. 51 / 22	100 pieces
8	2019	Plate screw	500 pieces
	8031 / 9	Comfort access trap for OWAplan ceilings 13 3/16“ x 13 3/16“ (external dimension), without OWAplan-plate/RAW-plate Attention: additional suspension required (see OWAplan Comfort access trap installation guide)	bulk-packed
	8031 / 10	Comfort access trap for OWAplan ceilings 21 1/4“ x 21 1/4“ (external dimension), without OWAplan-plate/RAW-plate Attention: additional suspension required (see OWAplan Comfort access trap installation guide)	bulk-packed
	8069 / 6	Pattress for OWAplan/RAW consisting of frame components (2 pieces), length: 13 3/16“	bulk-packed
	4437	Fire resistant tape 1/2“ x 1/16“ nom. (where fire resistance is required)	1“ roll

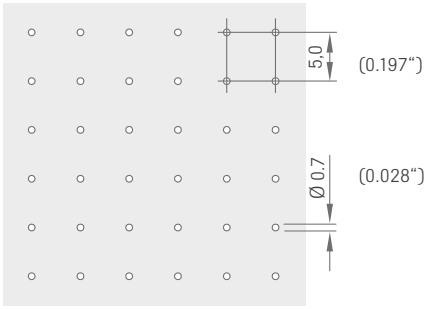


OWA metal ceilings

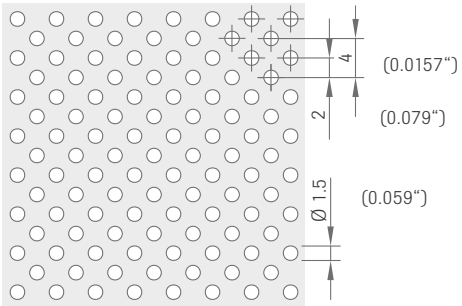
OWAtecta

OWAtecta perforations – steel

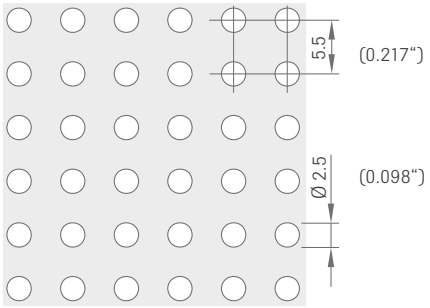
L0 un-perforated



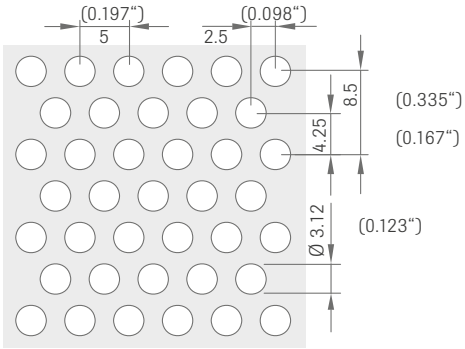
Rg0701
Ø = 0.7 mm (0.028“)
1 % open area



Rd1522
Ø = 1.5 mm (0.059“)
22 % open area



Rg2516
Ø = 2.5 mm (0.098“)
16 % open area

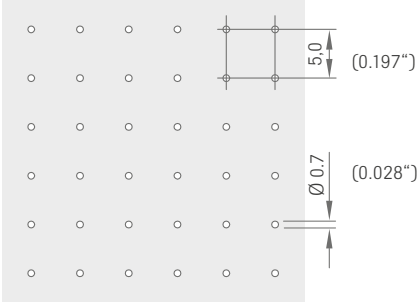


Rv3136
Ø = 3.12 mm (0.123“)
36 % open area

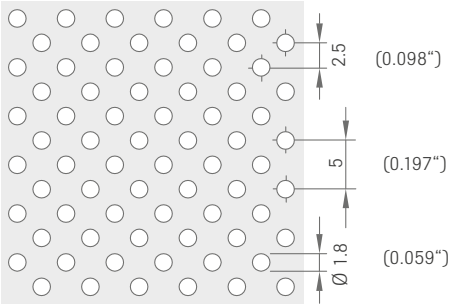
More perforations on request

OWAtecta perforations – aluminium

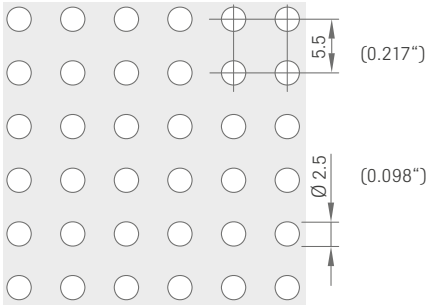
L0 un-perforated



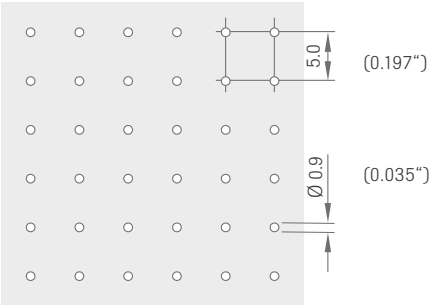
Rg0701
Ø = 0.7 mm (0.028“)
1 % open area



Rd1820
Ø = 1.8 mm (0.071“)
20 % open area



Rg2516
Ø = 2.5 mm (0.098“)
16 % open area



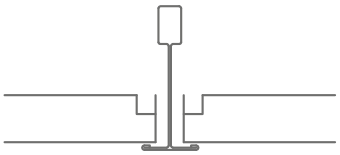
Rg0901
Ø = 0.9 mm (0.035“)
1 % open area

More perforations on request

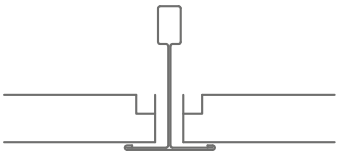
Edges

K 01

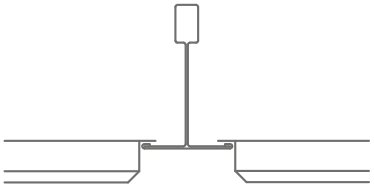
K 02



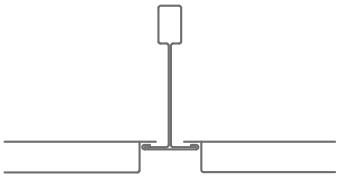
SQ (K 03)
9/16“ grid



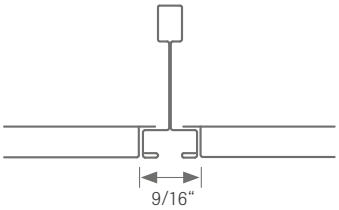
SQ (K 03)
15/16“ grid



RE 15/16 (K 07)
15/16“ grid



RE bolt-slot (K 16)
9/16“ grid



RE bolt-slot (K 16)
9/16“ grid

K 10

K 11

K 11s

K 13

Technical information

Material

Classification of steel according to EN 10152: KBB DC01+ZE25/25

Light reflection

The standard colour for OWAtecta metal tiles is similar RAL 9003. They reflect approx. 76 % (L0) of the incident light.

Degree of gloss

23 gloss units (60° angle)
(data according to circumstances in laboratory)

Paint

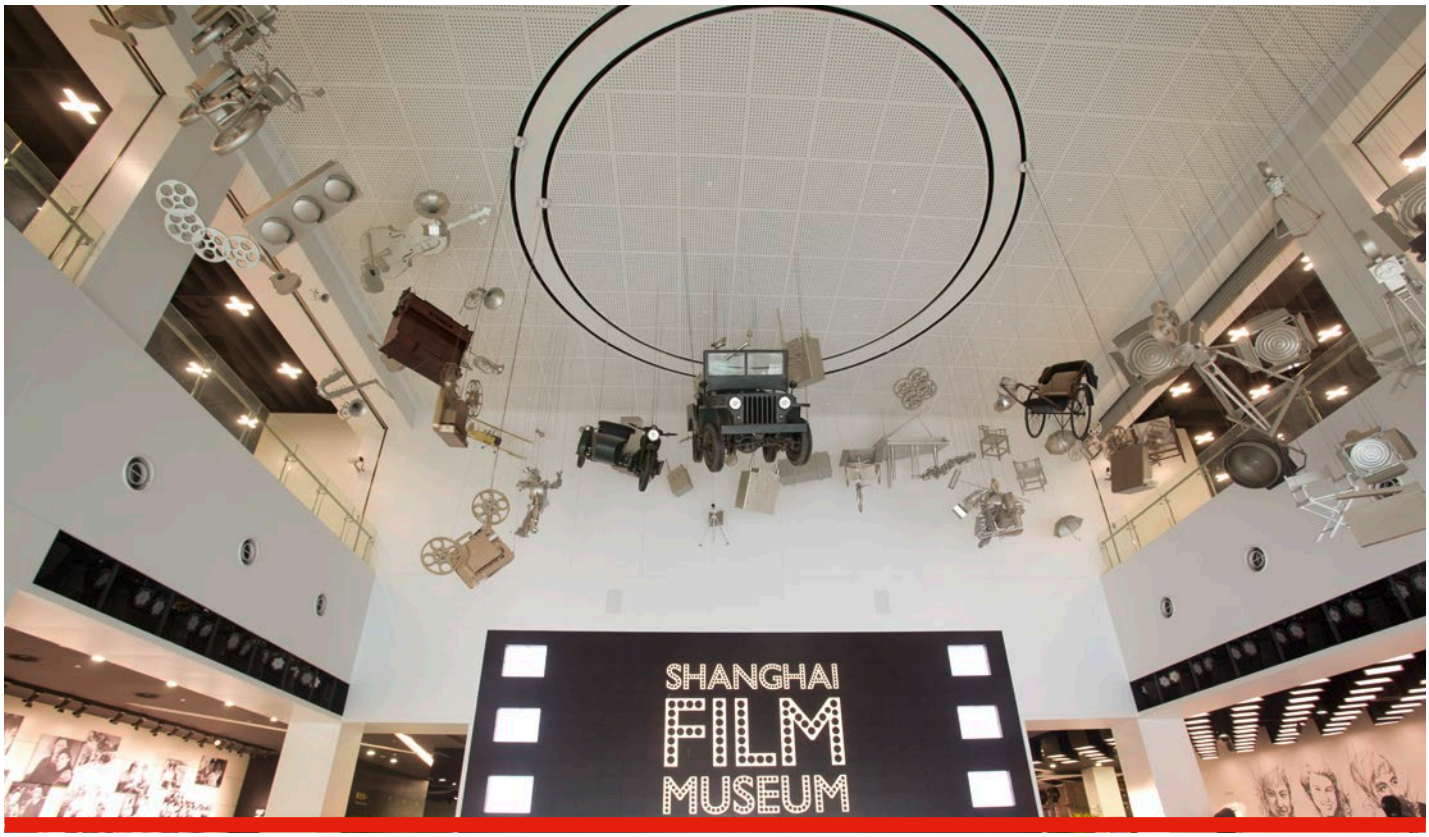
Thickness of powder coating with our standard products is around 60 to 70 µm.

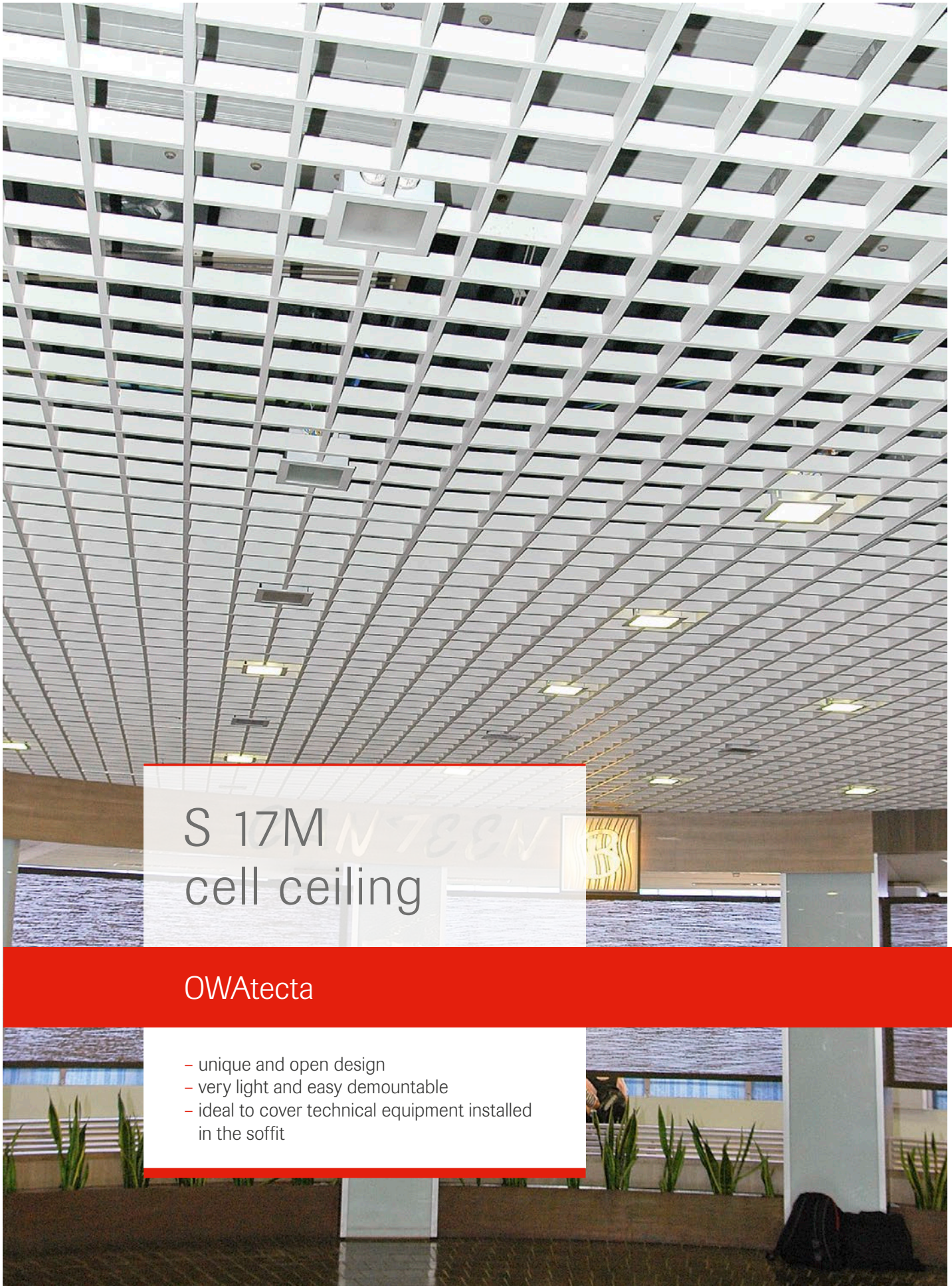
Reaction to fire

	EN 13501-1	**ASTM E84 / ASTM E 1264**
Unperforated:	A1	Class 1 / class A
Perforated:	A2-s2,d0	Class 1 / class A

Product Warranties

The information provided in this leaflet is based on the standards and data available at the time of publication. Any performance, warranties or guarantees provided, expressed or implied, are subject to the exclusive use of OWA components and the installation of those components in accordance with our recommendations. Failure to adhere to these conditions will result in the invalidation of any performance claims, warranties or guarantees and rejection of any liability. OWA reserves the right to make any technical improvements to the products, systems or services without prior notice. **All goods and services are supplied in accordance with our current Terms and Conditions of Sale.** Errors excepted!



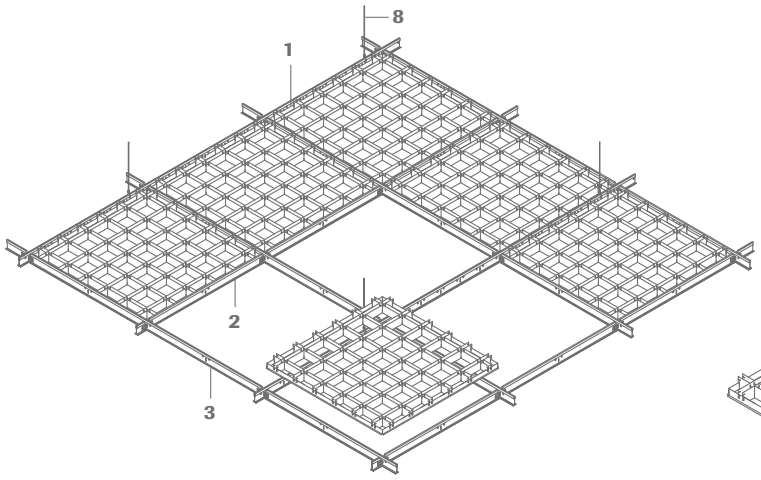


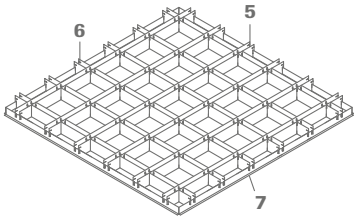
S 17M cell ceiling

OWAtecta

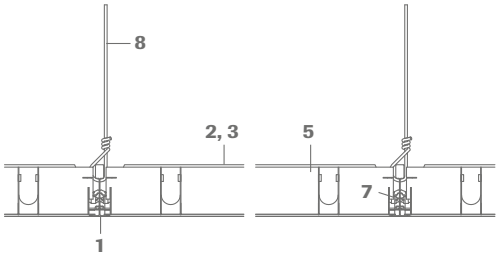
- unique and open design
- very light and easy demountable
- ideal to cover technical equipment installed in the soffit

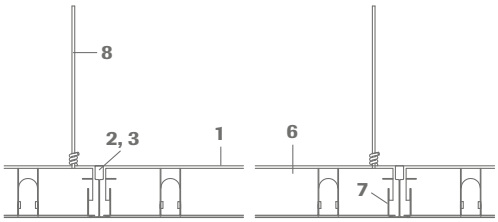
S 17M cell ceiling



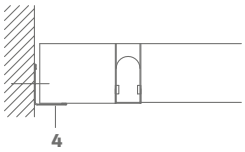


1 Main tee, cliq-9/16-MR
2 Cross tee short, cliq-9/16-CT
3 Cross tee long, cliq-9/16-CT
4 Wall angle, no. 50G
5 Upper grid, no. 17M-01
6 Lower grid, no. 17M-02
7 Edge profile, no. 17M-03
8 Suspension wire (by client)





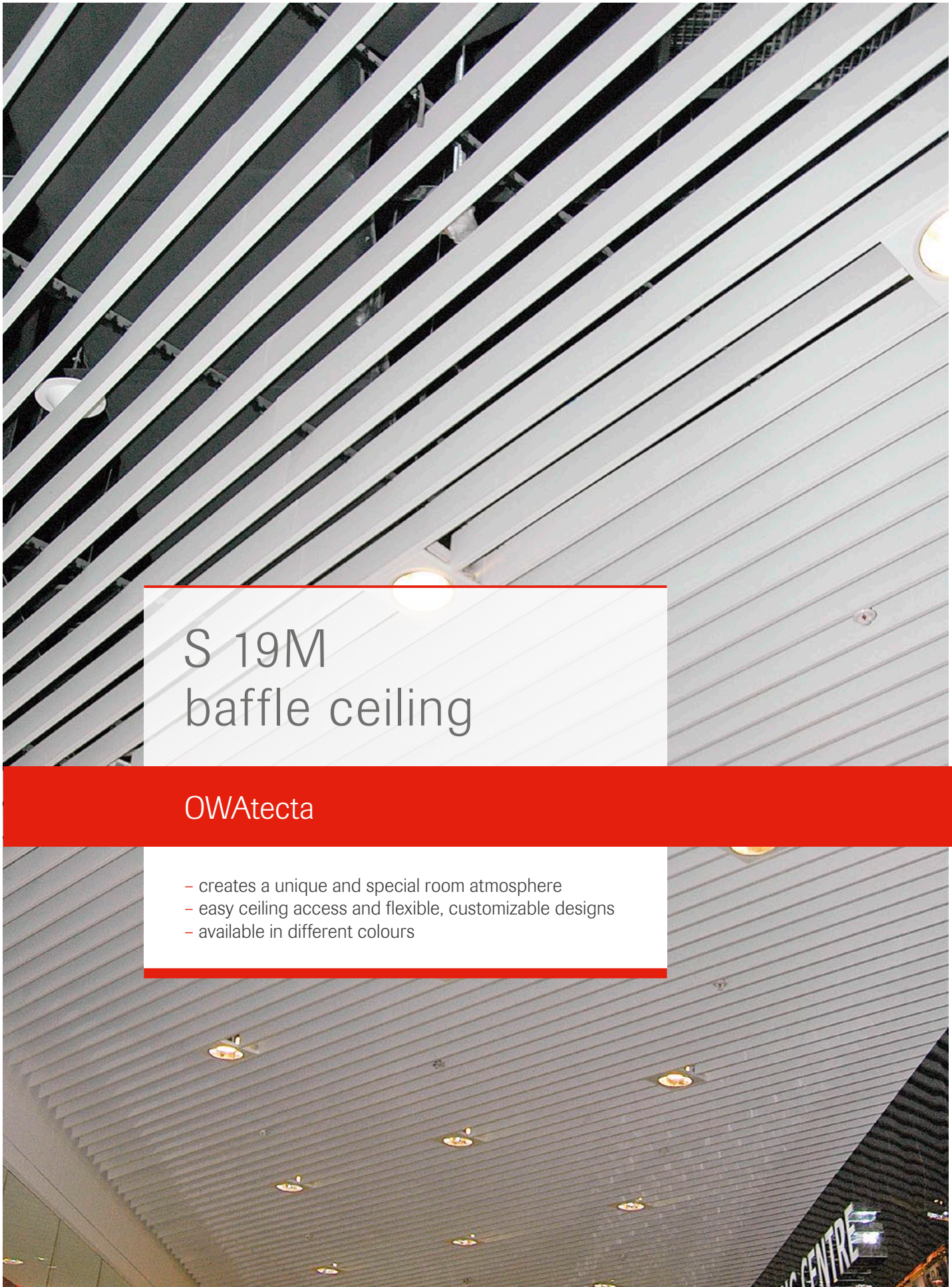
Wall perimeter:



Technical data

Material	Steel	Aluminium
Module size	2‘ x 2‘	2‘ x 2‘
Thickness	0.012“	0.02“
Height	1 3/8“	1 3/8“
Cell sizes	3“ x 3“, 4“ x 4“, 6“ x 6“, 8“ x 8“	
Colour	OWA white (pre painted), black matt (pre painted) Other RAL colours on request	

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

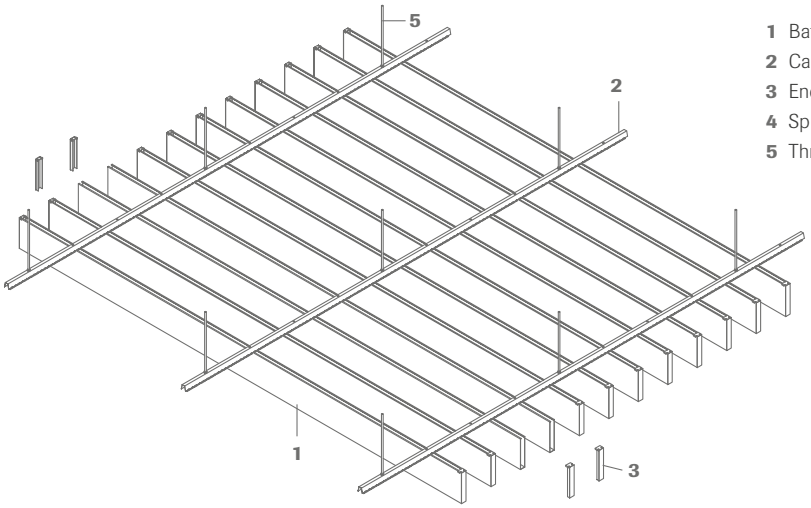


S 19M
baffle ceiling

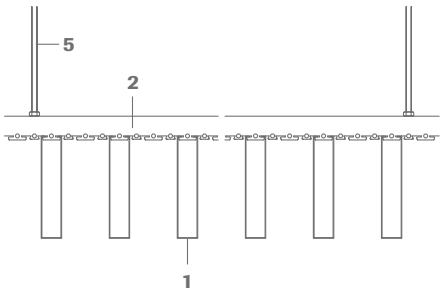
OWAtecta

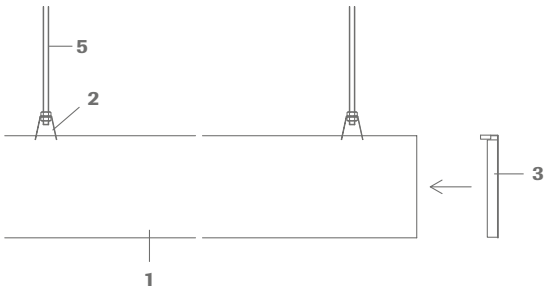
- creates a unique and special room atmosphere
- easy ceiling access and flexible, customizable designs
- available in different colours

S 19M baffle ceiling



1 Baffle
2 Carrier profile, no. 19M-01
3 End cap, no. 19M-02
4 Splice for baffle, no. 19M-03 (not shown in the drawing)
5 Threaded rod Ø 5/16“ (by client)

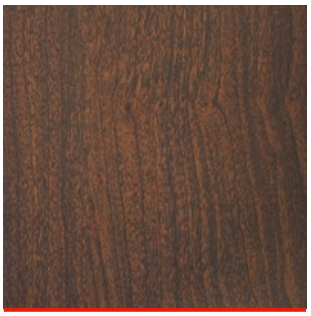




Technical data

	Steel	Aluminium
Material		
Size (w x h)	3/4“ x 4“, 1 1/4“ x 4“, 2“ x 4“ maximum length: 13‘	3/4“ x 4“, 1 1/4“ x 4“, 2“ x 4“ maximum length: 13‘
Thickness	0.02“	0.03“
Perforations[2]	L0, Rg2516, Rd1522, Rg0701	L0, Rg2516, Rd1820, Rg0901, Rg0701
Colour	OWA white, other colours on request	

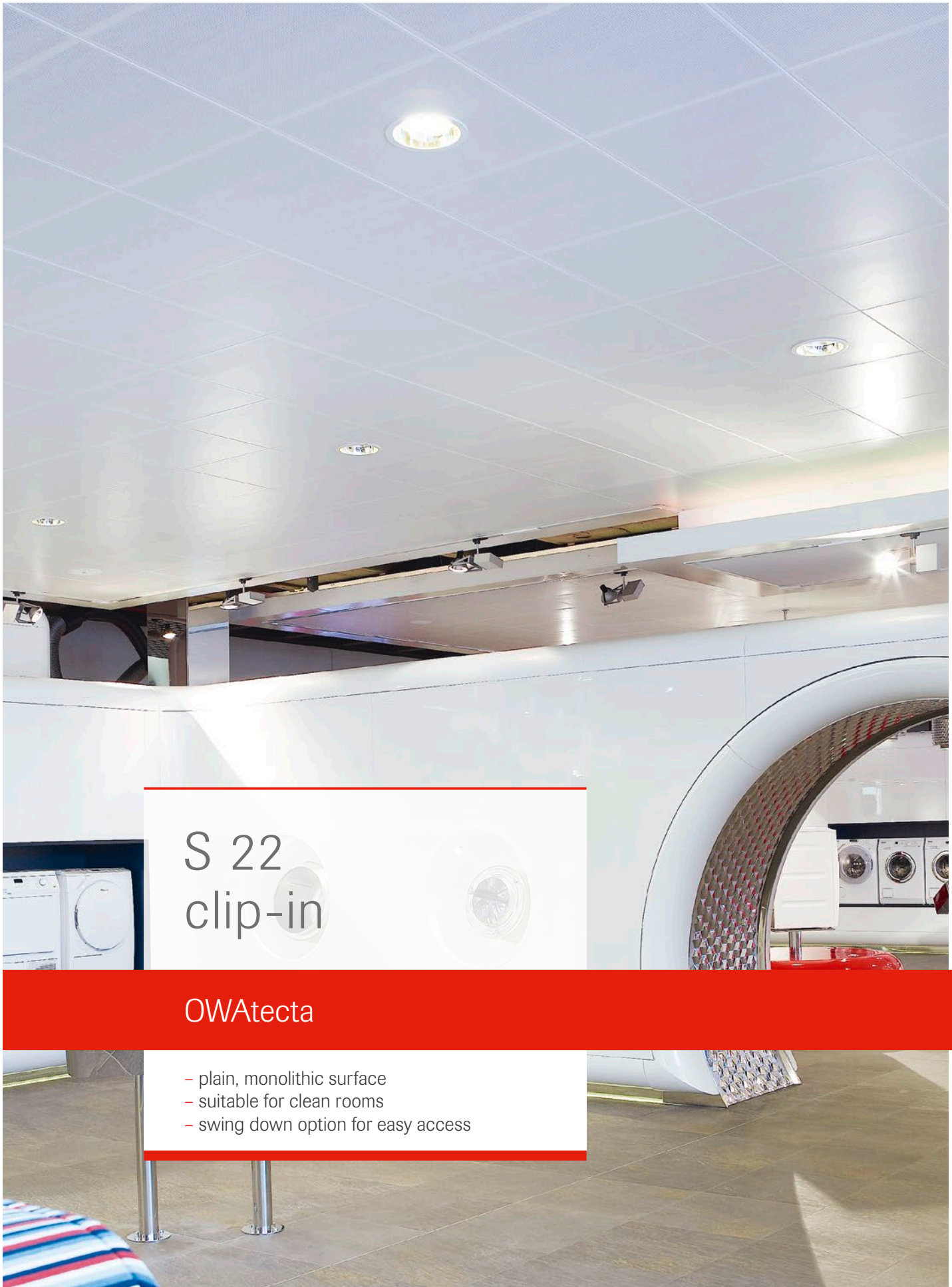
Wooden colours


CF 8002

CF 8016

CF 8034

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

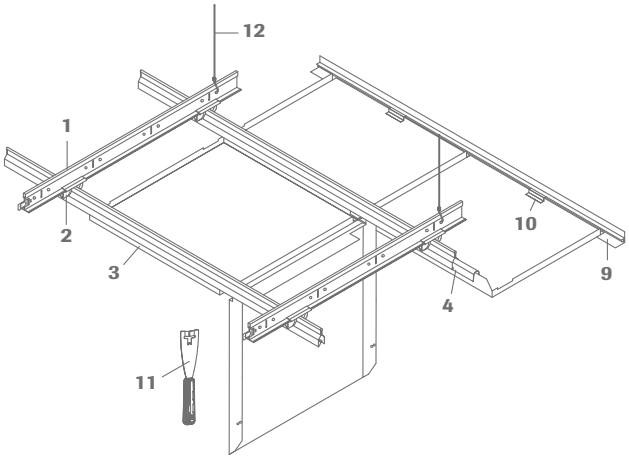


S 22
clip-in

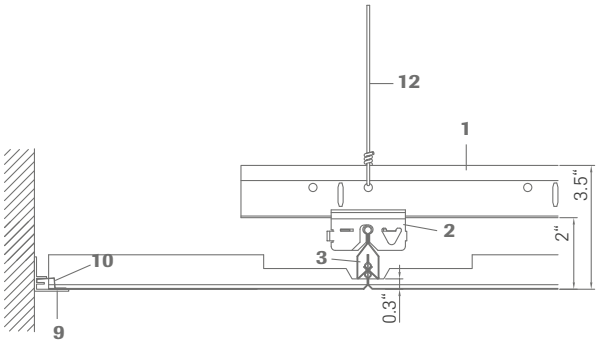
OWAtecta

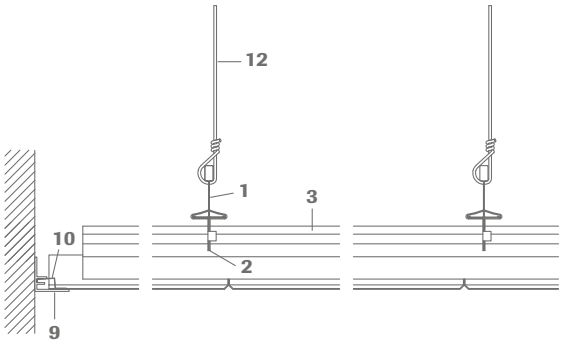
- plain, monolithic surface
- suitable for clean rooms
- swing down option for easy access

S 22 clip-in

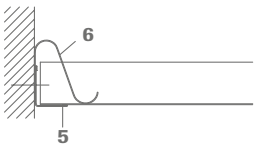


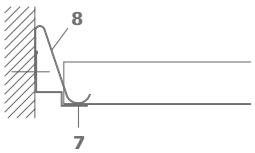
1 Main tee, no. cliq-15/16-MR
2 Cross connector, no. 93C
3 Clip-in profile, no. 87M
4 Clip-in profile splice, no. 88E
5 Wall angle (steel), no. 50G
6 Wall clip, no. 99009
7 Shadow wall angle (steel), no. 50/15G
8 Wall clip, no. 99010
9 F wall angle (aluminium), no. 50F
10 Clip for F wall angle, no. 5220M
11 Clip-tool no. 99005
12 Suspension wire (by client)
alternative: threaded rod Ø 1/4“ (by client)

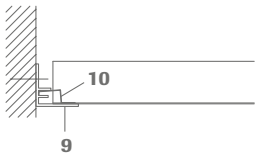




Wall perimeter:







Technical data

Material	Steel	Aluminium (not retractable)
Module size	2‘ x 2‘	2‘ x 2‘
Thickness	0.02“	0.03“
Perforations[2]	L0, Rg2516, Rd1522, Rv3136, Rg0701	L0, Rg2516, Rd1820, Rg0901, Rg0701
Available edges[1]	K 01	K 01
Colour	OWA white, RAL 9006	OWA white, RAL 9006

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

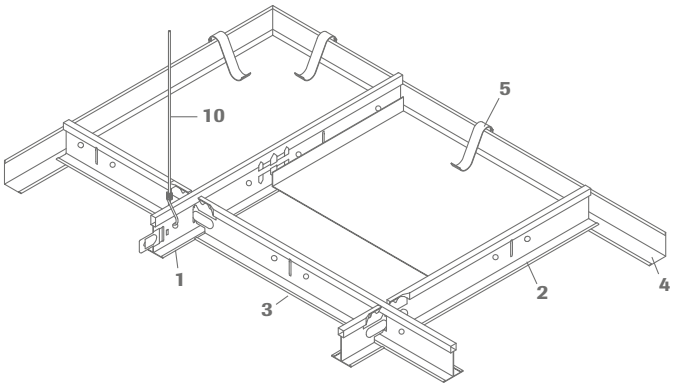
S 33
lay-in

OWAtecta

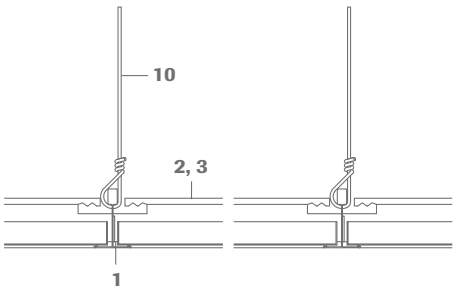
- lay-in suspension system enabling full demountability
- available with great choice of perforations
- compatible with OWAcoustic mineral boards

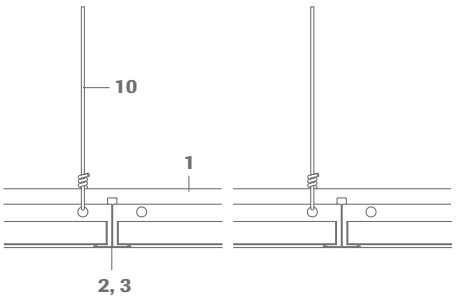
System S 33

S 33 lay-in

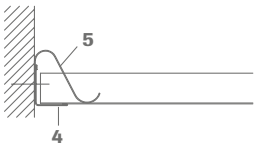


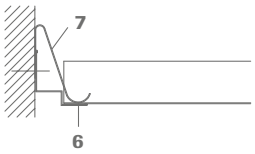
1 Main tee, no. cliq-15/16-MR
2 Cross tee short, no. cliq-15/16-CT
3 Cross tee long, no. cliq-15/16-CT
4 Wall angle (steel), no. 50G
5 Wall clip, no 99009
6 Shadow wall angle (steel), no. 50/15G
7 Wall clip, no. 99010
8 F wall angle (aluminium), no. 50F
9 Clip for F wall angle, no. 5220M
10 Suspension wire (by client)

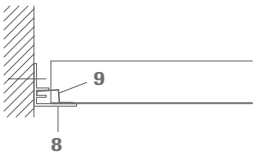




Wall perimeter:







Technical data

Material	Steel	Aluminium
Module size	2‘ x 2‘	2‘ x 2‘
Thickness	0.02“	0.03“
Perforations[2]	L0, Rg2516, Rd1522, Rv3136, Rg0701	L0, Rg2516, Rd1820, Rg0901, Rg0701
Available edges[1]	K 03, K 07	K 03, K 07
Colour	OWA white, RAL 9006	OWA white, RAL 9006

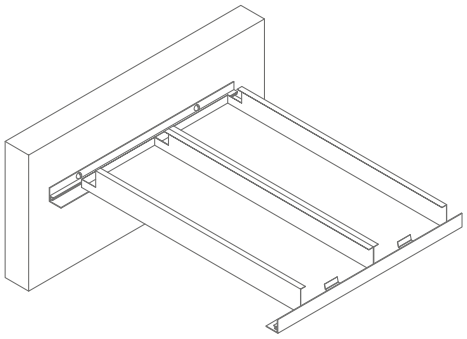
[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

S 36
lay on corridor system

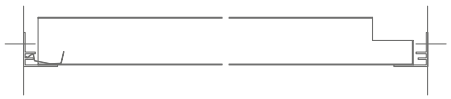
OWAtecta

- corridor system
- available with great choice of colours and perforations
- panels are laid on the wall angle and can be cut on site

S 36 lay on corridor system



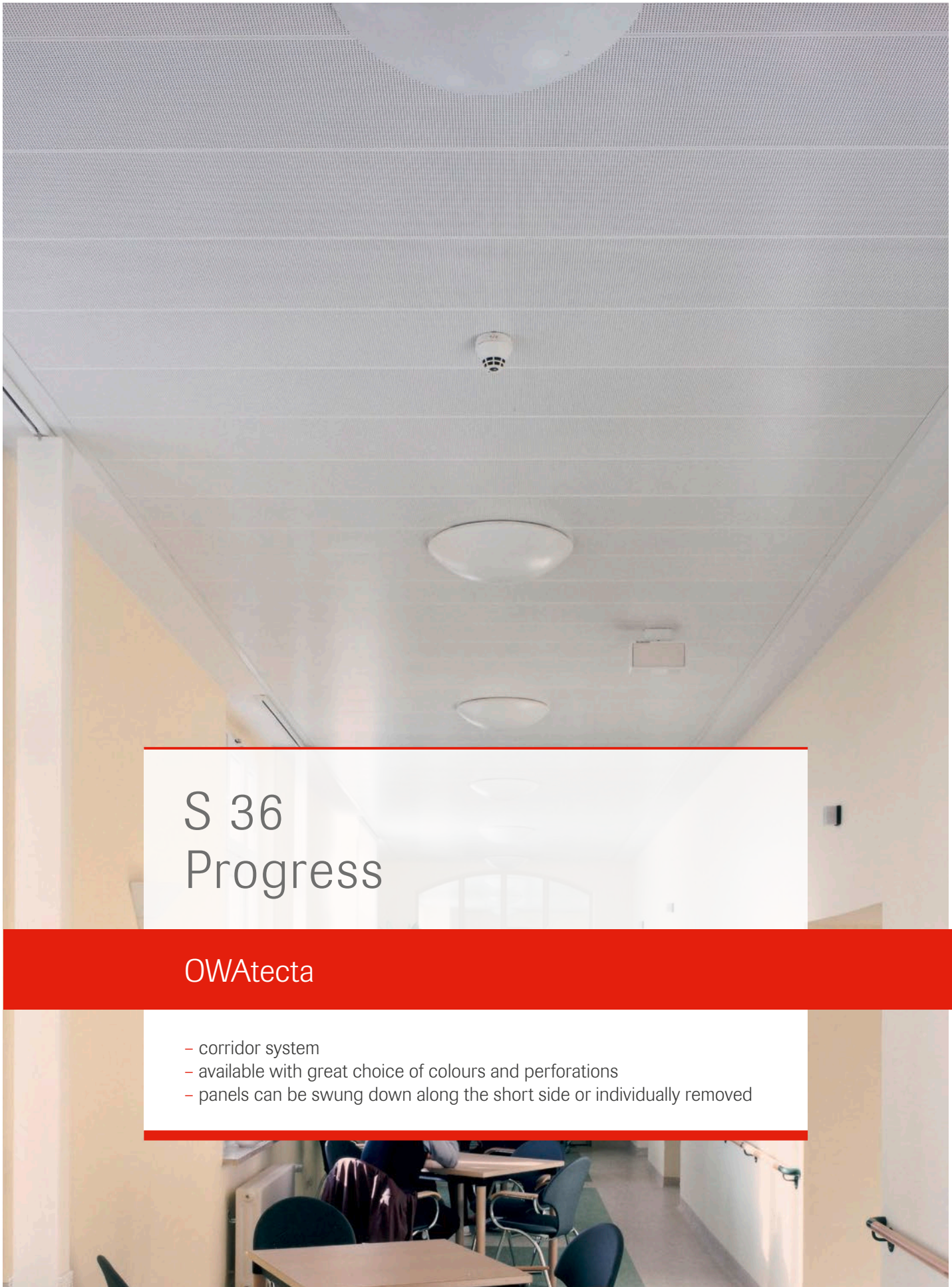
1 F wall angle (aluminium), no. 50F
2 Shadow F wall angle (aluminium), no. 5620F
3 Clip for F wall angle, no. 5220M



Technical data

Material	Steel	Aluminium
Module size	Max. length 3000 mm max. width 600 mm (max. size 1.0 m²)	Max. length 3000 mm max. width 600 mm (max. size 1.0 m²)
Thickness	Depends on size	Depends on size
Perforations²	On request	On request
Available edges¹	K 03	K 03
Colour	OWA white, other colours on request	OWA white, other colours on request

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

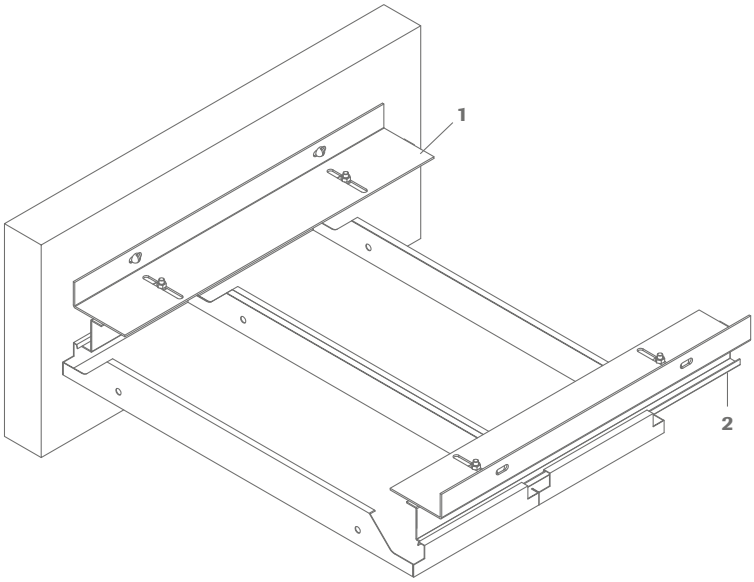


S 36
Progress

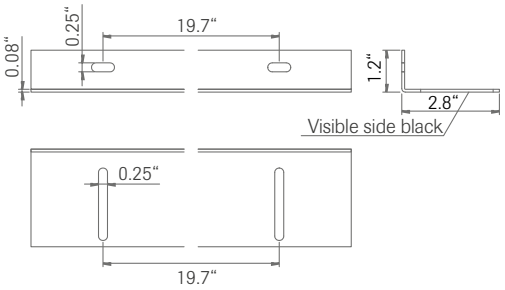
OWAtecta

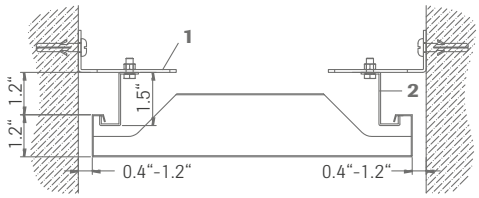
- corridor system
- available with great choice of colours and perforations
- panels can be swung down along the short side or individually removed

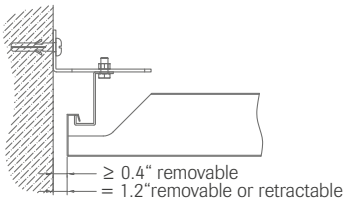
S 36 Progress

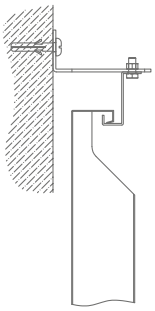


1 Wall angle, no. 5110
2 Z profile, no. 90E01







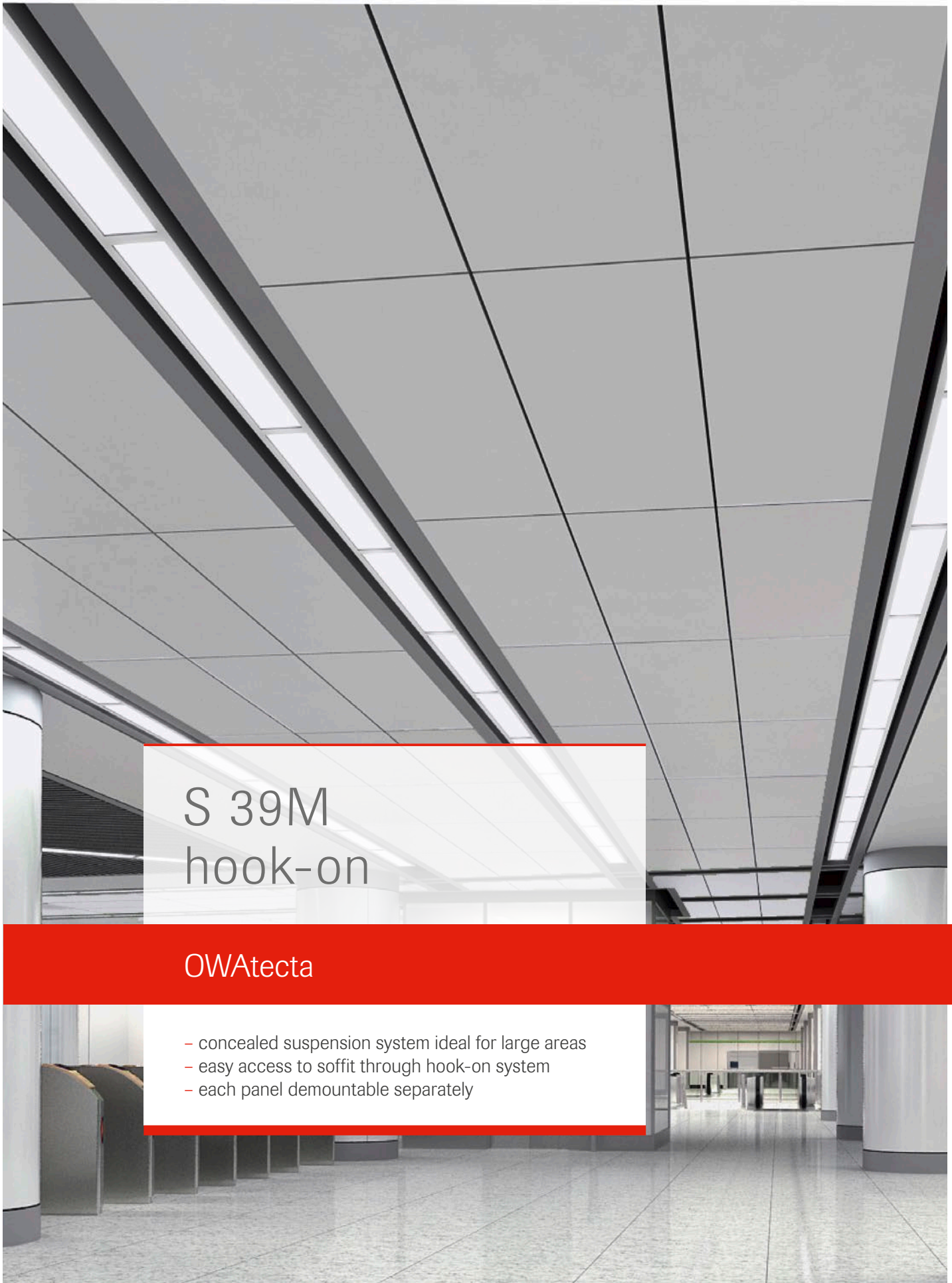


Attention:
Standard wall connection is only possible with the 8 mm flat panel. Wedge panels and higher flat panels can only be installed by using complete tiles in combination with a gypsum board frieze.

Technical data

Material	Steel	Aluminium
Module size	Max. length 8‘ max. width 2‘ (max. size 11 SF)	Max. length 8‘ max. width 2‘ (max. size 11 SF)
Thickness	Depends on size	Depends on size
Perforations[2]	On request	On request
Available edges[1]	K 11s	K 11s
Colour	OWA white, other colours on request	OWA white, other colours on request

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75



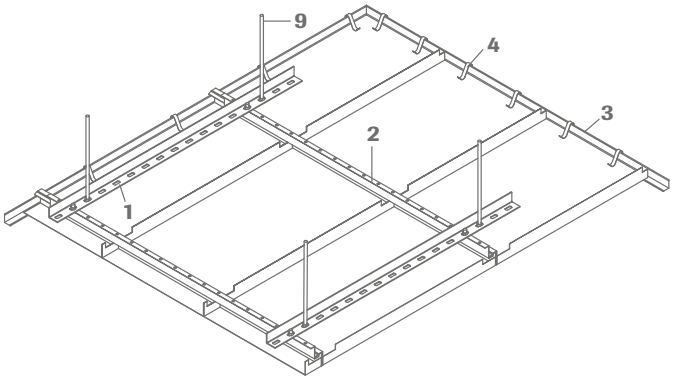
S 39M hook-on

OWAtecta

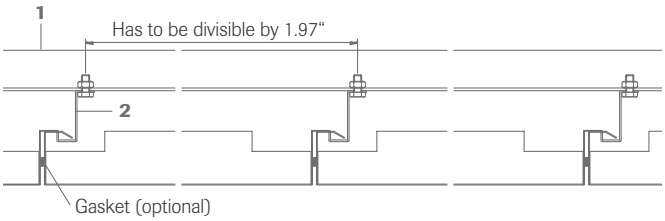
- concealed suspension system ideal for large areas
- easy access to soffit through hook-on system
- each panel demountable separately

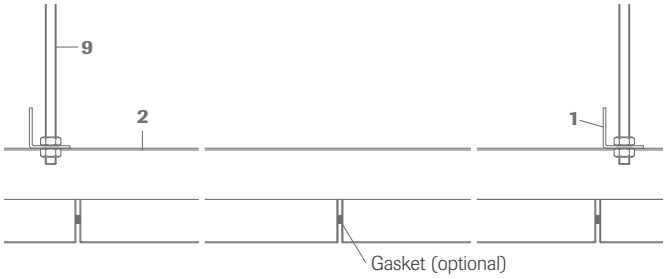
System S 39

S 39 hook-on

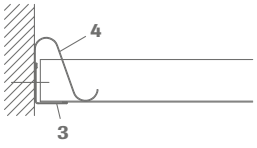


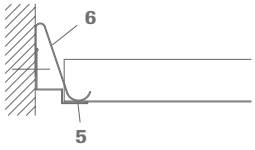
1 Carrier profile, D39-01
2 Z profile, no. 90E01
3 Wall angle (steel), no. 50G
4 Wall clip, no. 99009
5 Shadow wall angle (steel), no. 50/15G
6 Wall clip, no. 99010
7 F wall angle (aluminium), no. 50F
8 Clip for F wall angle, no. 5220M
9 Threaded rod Ø 5/16“ (by client)

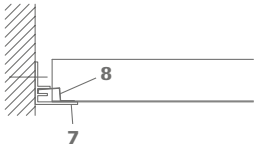




Wall perimeter:



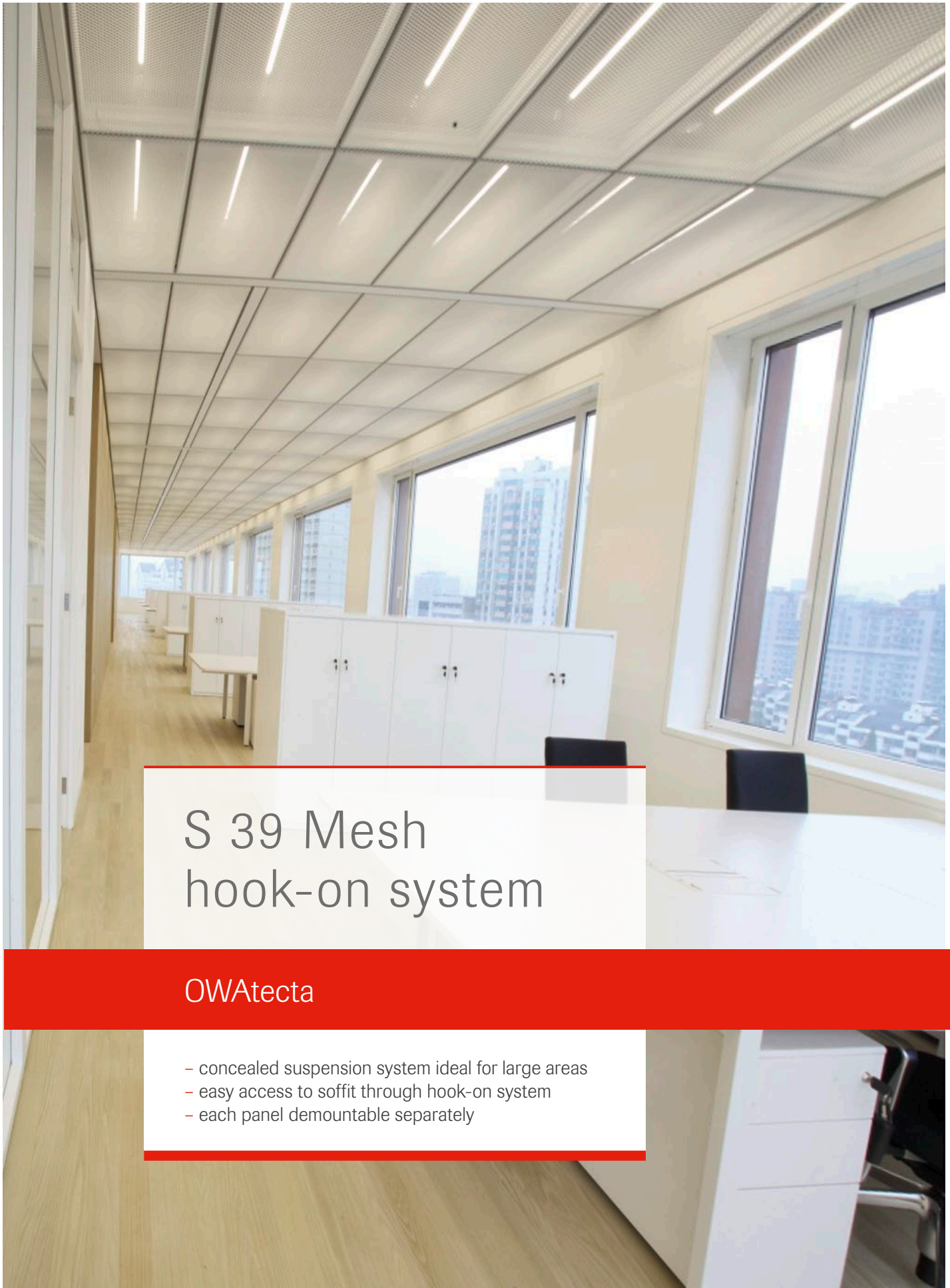




Technical data

Material	Steel	Aluminium
Module size	Max. length 9.8“ max. width 3.6“ (max. size 11 SF)	Max. length 9.8“ max. width 4.6“ (max. size 11 SF)
Thickness	Depends on size	Depends on size
Perforations[2]	On request	On request
Available edges[1]	K 11	K 11
Colour	OWA white	OWA white

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

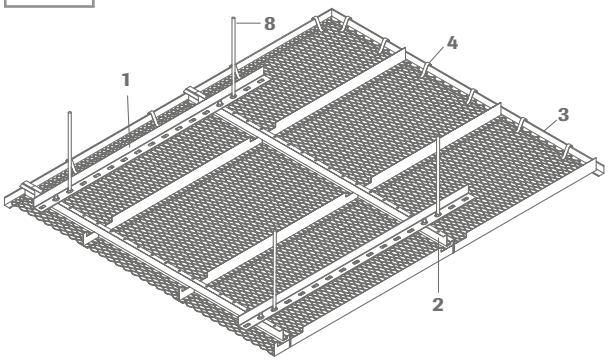


S 39 Mesh hook-on system

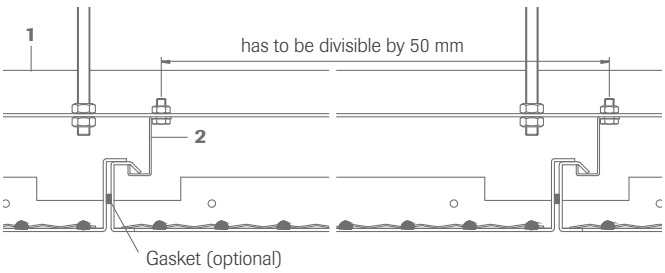
OWAtecta

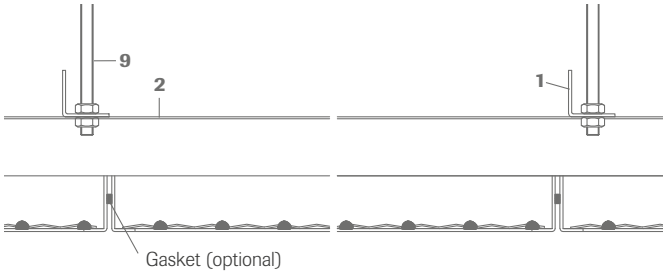
- concealed suspension system ideal for large areas
- easy access to soffit through hook-on system
- each panel demountable separately

S 39 Mesh hook-on system with Z profiles

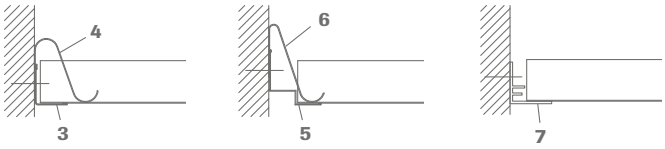


1 Carrier profile, D39-01
2 Z profile, no. 90E01
3 Wall angle (steel), no. 50G
4 Wall clip, no. 99009
5 Shadow wall angle (steel), no. 50/15G
6 Wall clip, no. 99010
7 F wall angle (aluminium), no. 50F
8 Threaded rod Ø 8 mm (by client)





Wall perimeter:

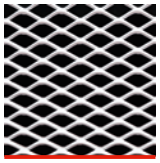


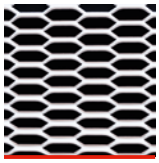
Panel length ≤	Carrier profile distance ≤	Hanger distance ≤
1250 mm	1250 mm	1250 mm
1500 mm	1200 mm	1500 mm
2000 mm	1000 mm	2000 mm

The hangers have to be installed on the intersections of the carrier profiles and the Z profiles, not more than 100 mm apart. The maximum distance of the hangers depends on the length of the tiles.

Technical data

Material	Aluminium	Aluminium
Module size	Max. length 2000 mm max. width 900 mm	Max. length 2000 mm max. width 900 mm
Thickness	1.5 mm	1.5 mm
Mesh size	12 x 25 mm	10 x 25 mm
Mesh shape	Diamond	Turtle back
Open area	67 %	70 %
Available edges[1]	K 11	K 11
Colour	OWA white, RAL 9006	OWA white, RAL 9006


12 x 25 mm


10 x 25 mm

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

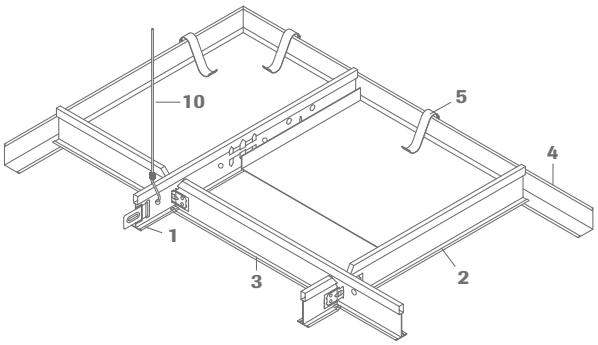
S 45
lay-in

OWAtecta

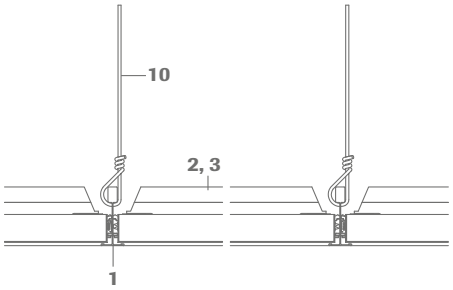
- lay-in suspension system enabling full demountability
- available with great choice of perforations
- compatible with OWAcoustic mineral boards

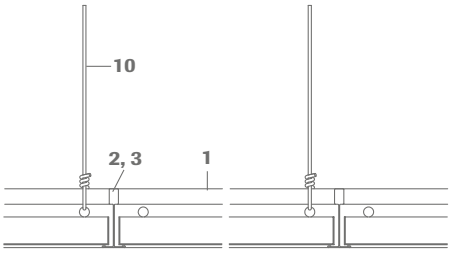
System S 45

S 45 lay-in

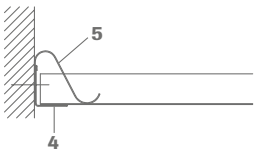


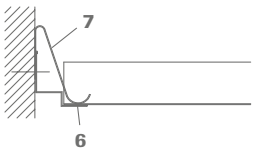
1 Main tee, cliq-9/16-MR
2 Cross tee short, cliq-9/16-CT
3 Cross tee long, cliq-9/16-CT
4 Wall angle, no. 50G
5 Wall clip, no. 99009
6 Shadow wall angle, no. 50/15G
7 Wall clip, no. 99010
8 F wall angle (aluminium), no. 50F
9 Clip for F wall angle, no. 5220M
10 Suspension wire (by client)

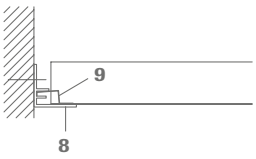




Wall perimeter:







Technical data

Material	Steel	Aluminium
Module size	2‘ x 2‘	2‘ x 2‘
Thickness	0.02“	0.03“
Perforations[2]	L0, Rg2516, Rd1522, Rv3136, Rg0701	L0, Rg2516, Rd1820, Rg0901, Rg0701
Available edges[1]	K 03, K 16	K 03, K 16
Colour	OWA white, RAL 9006	OWA white, RAL 9006

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

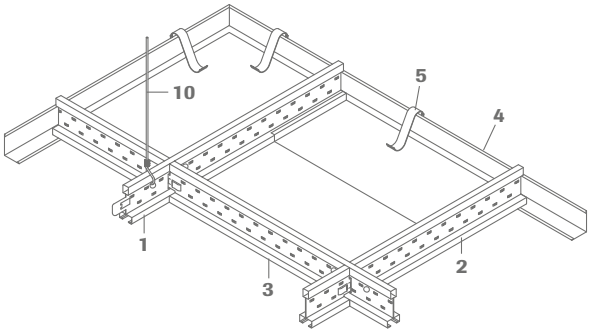
S 45b
OWAline

OWAtecta

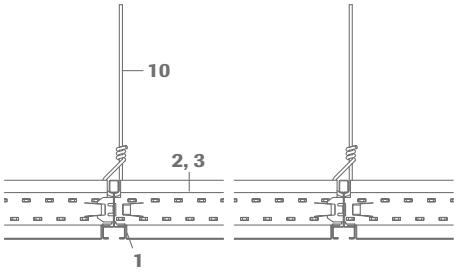
- lay-in suspension system enabling fully demountability
- panels are made from galvanized steel or aluminium to provide a smooth and durable finish
- each panel separately removable

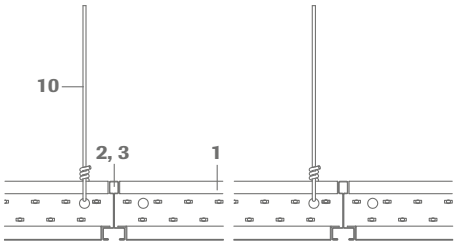
System S 45b

S 45b OWAline 9/16

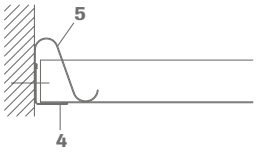


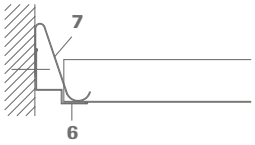
1 Main tee, no. 3500
2 Cross tee short, no. 3512
3 Cross tee long, no. 3514
4 Wall angle, no. 50G
5 Wall clip, no. 99009
6 Shadow wall angle, no. 50/15G
7 Wall clip, no. 99010
8 F wall angle (aluminium), no. 50F
9 Clip for F wall angle, no. 5220M
10 Suspension wire (by client)

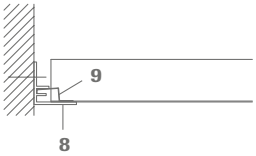




Wall perimeter:



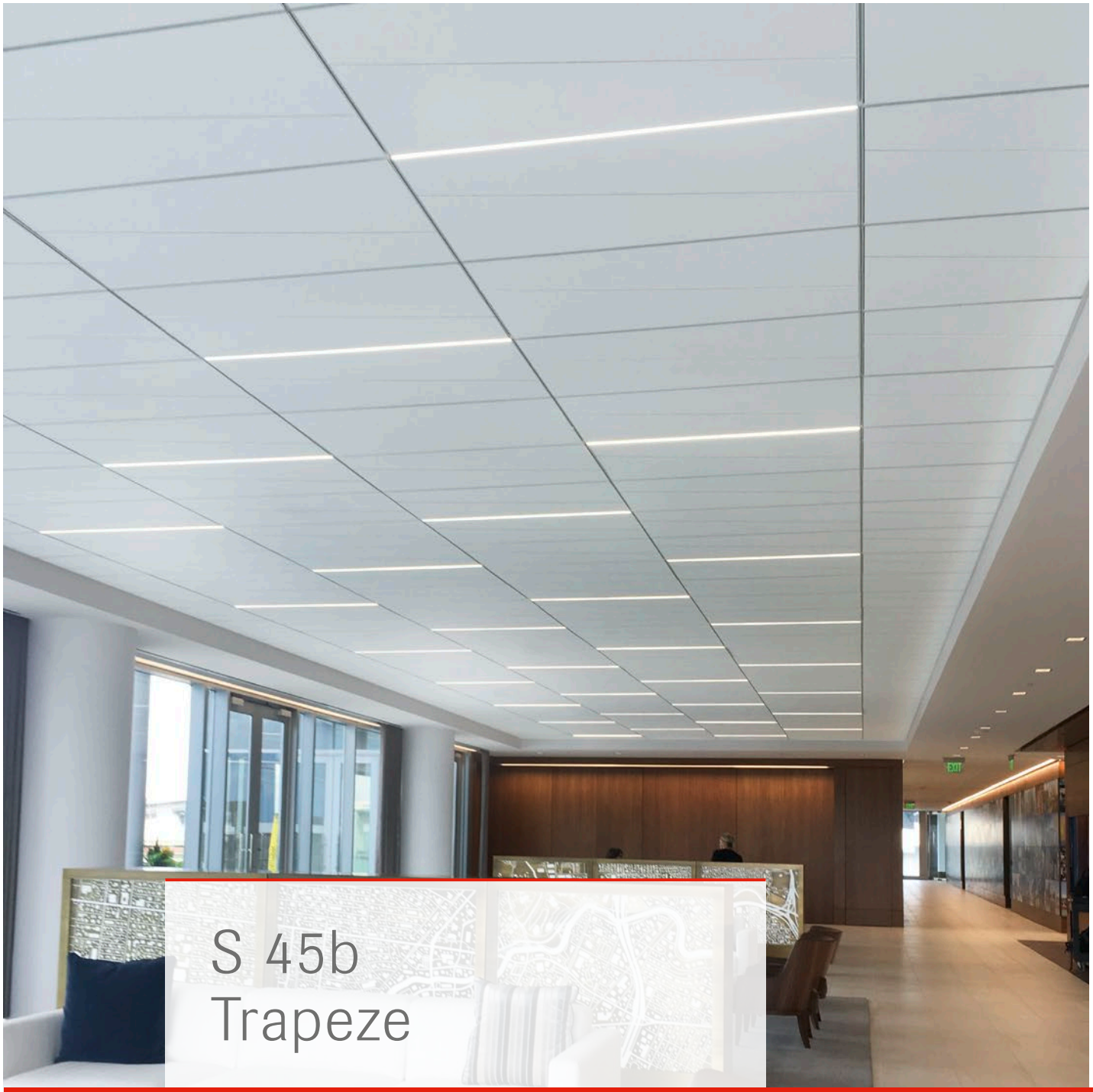




Technical data

Material	Steel	Aluminium
Module size	2‘ x 2‘	2‘ x 2‘
Thickness	0.020“	0.031“
Perforations[2]	L0, Rg2516, Rd1522, Rv3136, Rg0701	L0, Rg2516, Rd1820, Rg0901, Rg0701
Available edges[1]	K 16	K 16
Colour	OWA white	OWA white

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

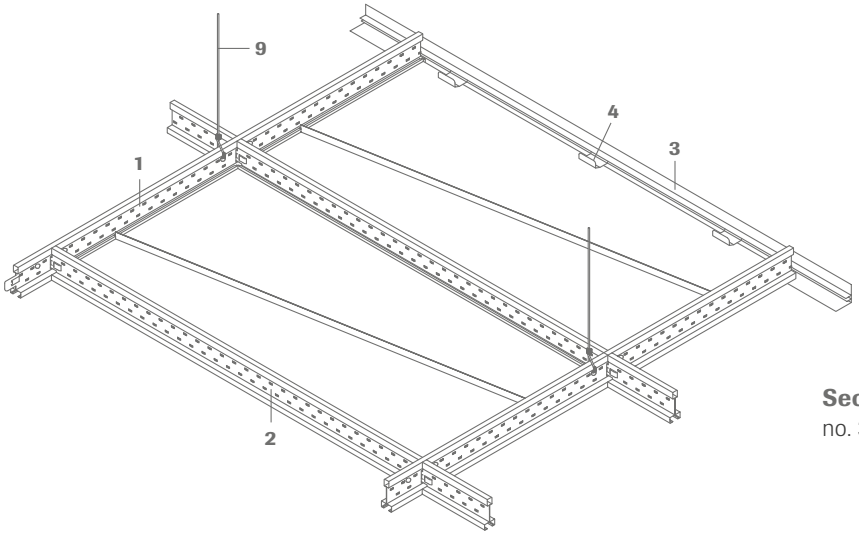


S 45b
Trapeze

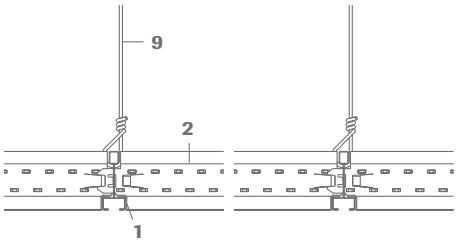
OWAtecta

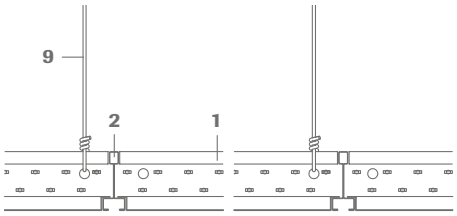
- lay-in suspension system enabling fully demountability
- special tiles with trapezoid shape
- suitable with OWAlight and Trapeze LED A

S 45b Trapeze lay-in

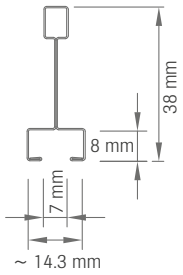


1 Main tee, no. 3500
2 Cross tee long, no. 3524
3 F wall angle, no. 50F
4 Clip for F wall angle, no. 5220M
5 Wall angle, no. 50G
6 Wall clip, no. 99009
7 Shadow wall angle, no. 50/15G
8 Wall clip, no. 99010
9 Suspension wire (by client)

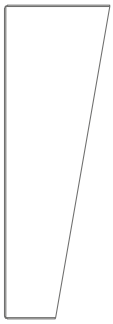




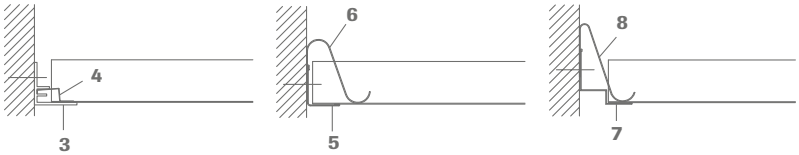
Section dimension:
no. 3500 and no. 3524



Trapeze metal tile:



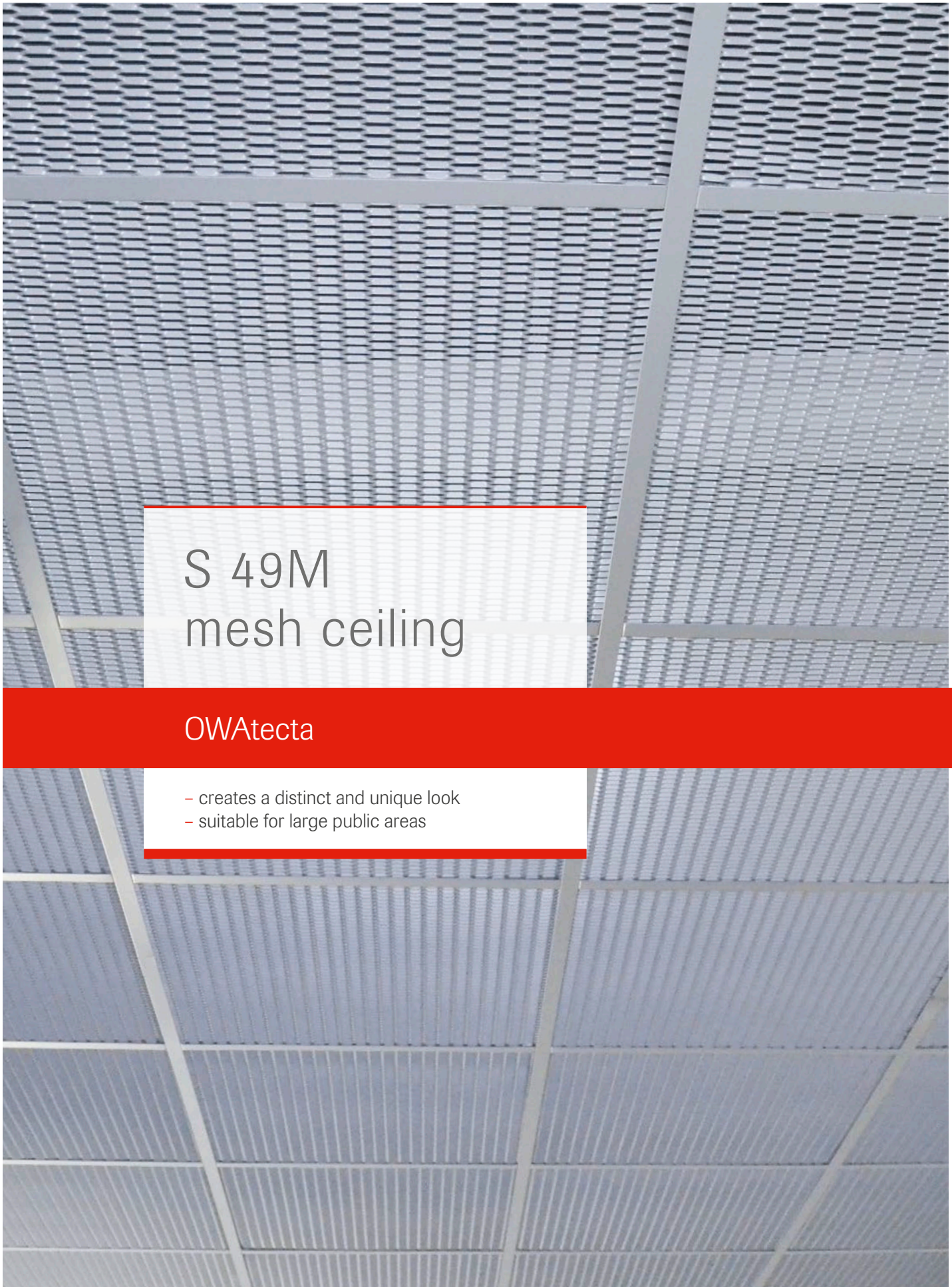
Wall perimeter:



Technical data

Material	Steel
Module size	2‘ x 4‘
Dimensions	1.3‘/0.7‘ x 4‘
Thickness	0.02“
Perforations²	L0, Rg0701
Available edges¹	K 16
Colour	OWA white

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

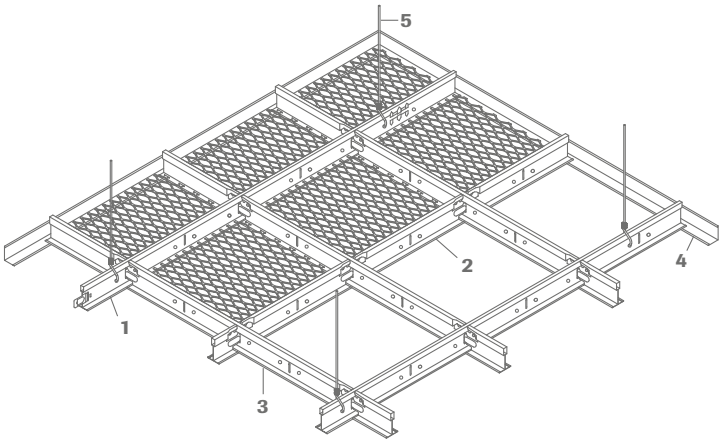


S 49M mesh ceiling

OWAtecta

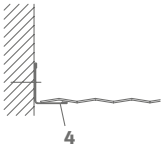
- creates a distinct and unique look
- suitable for large public areas

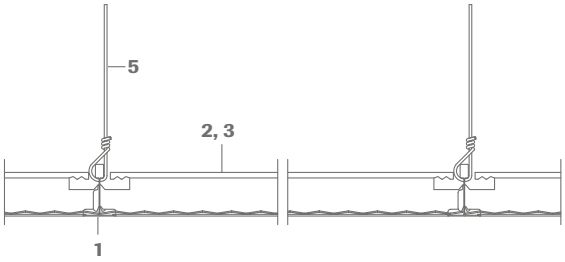
S 49M mesh ceiling

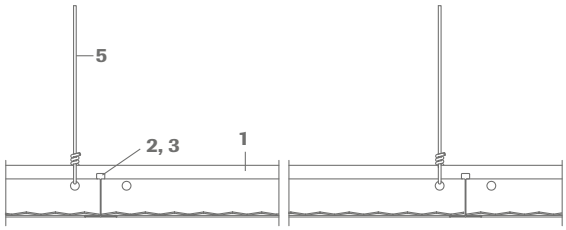


1 Main tee, no. cliq-15/16-MR
2 Cross tee short, no. cliq-15/16-CT
3 Cross tee long, no. cliq-15/16-CT
4 Wall angle (steel), no. 50G
5 Suspension wire (by client)

Wall perimeter:



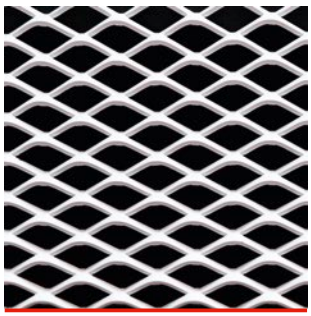




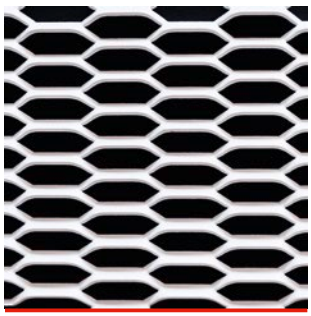
Technical data

Material	Steel/aluminum	Aluminum	Aluminum
Module size	2‘ x 2‘, 2‘ x 4‘	2‘ x 2‘, 2‘ x 4‘	2‘ x 2‘, 2‘ x 4‘
Thickness	0.06“	0.06“	0.06“
Mesh size	5/16“ x 1/2“	5/16“ x 3/4“	9/32“ x 1“
Mesh shape	Diamond	Diamond	Turtle back
Open area	54 %	52 %	70 %
Available edges[1]	Cut end	Cut end	Cut end
Colour	OWA white, RAL 9006	OWA white, RAL 9006	OWA white, RAL 9006

5/16“ x 1/2“



5/16“ x 3/4“



9/32“ x 1“

[1] Edges please see on page 11 | [2] Perforations on page 74 and 75

OWA ceilings performance regarding to LEED®

OWA ceilings LEED® credit

Product range: suspended acoustical ceilings (tiles and sub-construction)

- **OWAcoustic premium**
- **OWAconsult collection**
- **OWAconstruct**
- **OWAtecta**

OWA's product range contribute to following LEED® credits:

- energy
- waste management
- recycled content
- local materials (is location dependent)
- low-emitting materials
- daylight and views
- acoustic performance

OWA green circle

USGBC LEED® credits:

- **LEED® MR credit 2: construction waste management** – divert 50 % or 75 % from disposal.

  OWA will provide verification of weight and plant return location for LEED® submittal. Please contact your OWA environmental protection officer +49 93 73 . 2 01-2 45 for more details.

  OWAtecta metal tiles and OWAconstruct components could be fully recycled (100 %)

- **LEED® MR credit 4: recycled content**

  OWA´s product range has high recycled content levels contribute to LEED®.

  LEED® recycled content value:

  OWAcoustic premium, OWAconsult collection
  54 % total recycled content
  42 % LEED® recycled content value

  An EPD for OWAcoustic mineral tiles based on ISO 14025 is available on request.

OWA ceilings performance regarding to LEED®

OWAconstruct/OWAtecta
30 % total recycled content
7 % post-industrial (pre-consumer)
23 % post-consumer
27 % LEED® recycled content value
Post-consumer: End-users can no longer use product for intended purpose.

Pre-consumer (post-industrial): Industrial waste from manufacturing, exclude rework from the same process that created it.

– **LEED® MR credit 5: regional materials**
Option 1: the manufacturing plant may be within 500 miles of your jobsite
Option 2: for products shipped by rail or water the following formula can be used: (distance by rail/3) + (distance by inland waterway/2) + (distance by sea/15) + (distance by all other means) ≤ 500 miles

– **LEED® IEQ credit 4: low emitting materials**
Our product range meet the **State of Washington and California Section 01350 requirements** for low emissions. **Limit values for according to IEQ-credit 3.2: Construction indoor air quality before occupancy is 500 µg/m³ (VOC) and 27 ppb formaldehyde.**

Formaldehyde is not added during any production process.

See for further information the credit IEQ 4.1 to 4.5.

OWAcoustic product range has less than

TVOC:	**in class rooms:**	**< 1.5 µ/m³** (after 11, 12 and 14 days)
	in office buildings:	**< 2 µg/m³** (after 11, 12 and 14 days)
Formaldehyde:	**in class rooms:**	**1.8 µg/m³** (after 11 days), **1.7 µg/m³** (after 12 days), **1.6 µg/m³** (after 14 days) = **1.3 ppb**
	in office buildings:	**2 µg/m³** (after 11 days), **1.9 µg/m³** (after 12 days), **1.8 µg/m³** (after 14 days) = **1.5 ppb**

Low emitting products can be used as a possible innovation credit.

– **LEED® IEQ credit 8.1: daylight and views – daylight**
High LR (light reflectance) value from 78 % up tol 91 % according to ISO 7724-2, ISO 7724-3 (depends on pattern) contributes to LEED®

LEED® credit performance of OWA ceilings

Product	Materials/resources credit 2	Materials/resources credit 4		ID/innovation credits acoustics		Energy and atmosphere/IEC EA 1, IEQ 4	
	100 % recycabke	Total recycle content	LEED RC value	NRC	CAC	Light reflectance	Formaldehyde, VOC emissions
Brillianto A	YES	up to 54 %	up to 42 %	0.90	30 dB	Approx. 78	Meet requirements of CDPH-IAQ and AgBB-Scheme according to ISO 16000 and CDPH testing standards
Cosmos/N				0.65	33 dB	Approx. 84	
Finetta High NRC				0.75	35 dB	Approx. 86	
Humancare Lab				0.70	34 dB	Approx. 84	
Humancare Pro				0.95	24 dB	Approx. 84	
Ocean				0.95	30 dB	Approx. 78	
Octave 70 High CAC				0.70	40 dB	Approx. 87	
Octave 80				0.80	33 dB	Approx. 87	
Octave 80 High CAC				0.80	37 dB	Approx. 87	
Octave 85				0.85	27 dB	Approx. 87	
Octave 90 High CAC				0.90	34 dB	Approx. 87	
Octave 100				1.00	24 dB	Approx. 87	
Octave 85 black				0.85	27 dB	–	
Octave 85 Humancare				0.85	27 dB	Approx. 87	
OWAlux® white				0.15	37 dB	Approx. 86	
Sandila/N				0.60	37 dB	Approx. 84	
Sandila/N smart				0.60	31 dB	Approx. 87	
Sandila NRC				0.70	35 dB	Approx. 83	
Sanitas 02® | Plain				0.10	42 dB	Approx. 92	

LEED® credit performance of OWA ceilings

Product	Materials/resources credit 2	Materials/resources credit 4		ID/innovation credits acoustics		Energy and atmosphere/IEC EA 1, IEQ 4	
	100 % recycabke	Total recycle content	LEED RC value	NRC	CAC	Light reflectance	Formaldehyde, VOC emissions
Cloud, Square	YES	up to 40 %	up to 27 %	On request	–	Approx. 87	Meet requirements of CDPH-IAQ and AgBB-Scheme according to ISO 16000 and CDPH testing standards
OWAplan[70]				On request	–	–	
OWAplan[90]				On request	–	–	
RAW				On request	–	–	
Trapeze				0.75	–	Approx. 87	
Selecta, Curve, Corpus, FreeStyle		–	–	On request	–	–	
L0	YES	30 % (7 % pre-consumer and 23 % post-consumer)	27 %	0.05	30 dB	Approx. 88	Meet requirements of CDPH-IAQ and AgBB-Scheme according to ISO 16000 and CDPH testing standards
Rg0701				0.55	18 dB	Approx. 86	
Rd1522				0.70	18 dB	Approx. 68	
Rg2516				0.75	18 dB	Approx. 72	
Rv3136				0.80	18 dB	Approx. 62	

OWA product profile Canada 2023/2024

The information in this brochure is up-to-date at the time of publication. Errors and mistakes excepted. Please contact our competence team OWAconsult for specific advice. Our experts will be happy to answer your questions under the following contact details: tel: +49 9373 201-444 or e-mail: info@owaconsult.de

Odenwald Faserplattenwerk GmbH
Dr.-F.-A.-Freundt-Straße 3 | 63916 Amorbach | Germany
tel +49 9373 201-0 | info@owa.de
www.owa-ceilings.com

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