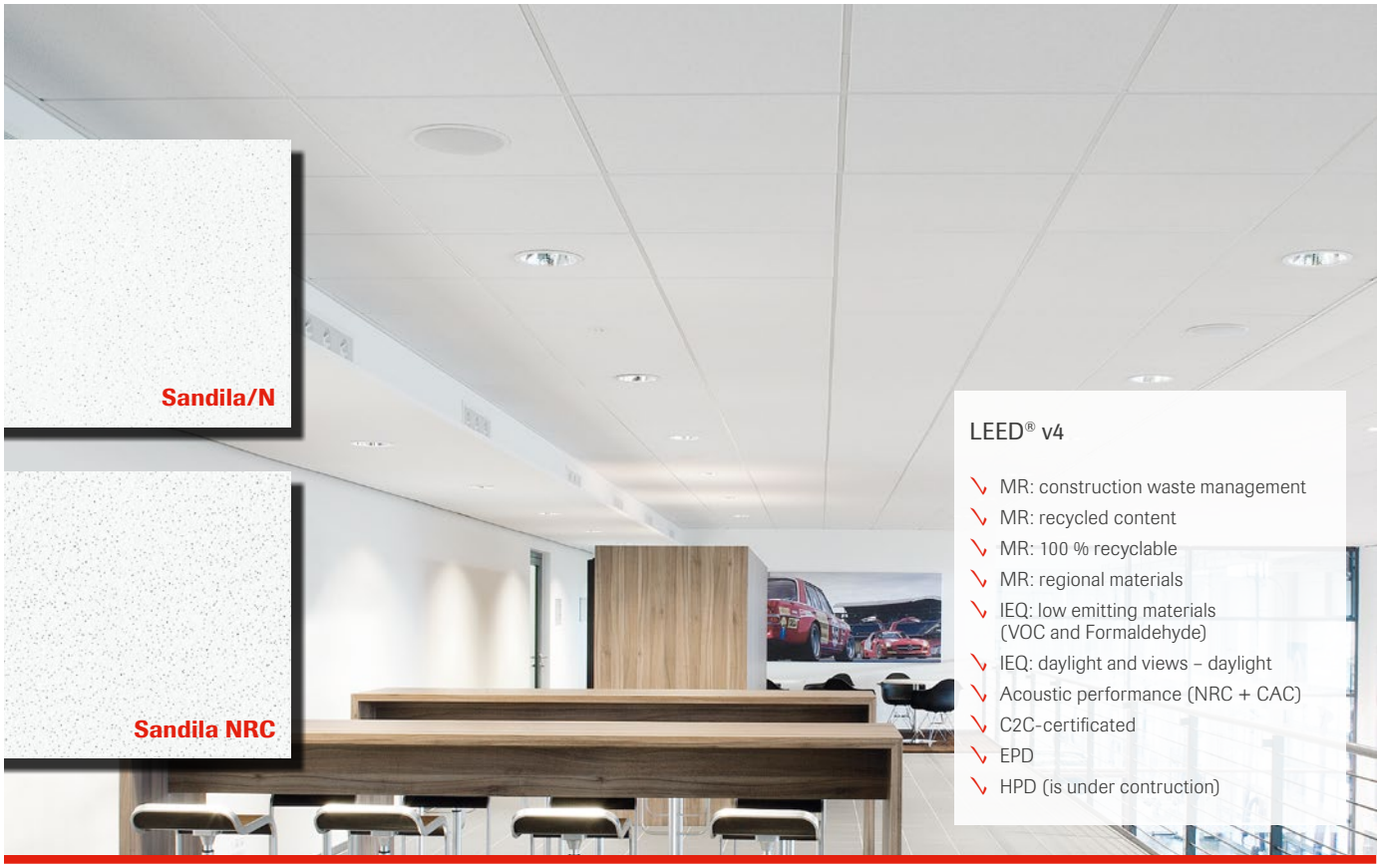
Sandila



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*:**

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

Version: 05.08.2021
You can find the latest version of our data sheets on our website www.owa.de

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	Washability ASTM D4828	Scrubbability ASTM D2486	Mold and mildew ASTM D3273	Resistance to fire up to ▲	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
OWAcoustic® premium Sandila/N															▲ dependent on soffit and other specific factors						
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	48.0	100 %	✓	✓	30
00082719	48 x 24 x 5/8	▭	10	80	26	**0.60**	-	**37 dB**	-	95 % RH	-	✓	✓	✓	REI 60°	1.0	80.0	100 %	✓	✓	30
						* OWAcliq 9/16 REI 90 | ° OWAcliq 9/16 no resistance to fire															
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	40.0	100 %	✓	✓	30
00082720	48 x 24 x 5/8	▭	10	80	26	**0.60**	-	**37 dB**	-	95 % RH	-	✓	✓	✓	REI 60	1.0	80.0	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	40.0	100 %	✓	✓	30
00082721	48 x 24 x 5/8	▭	10	80	26	**0.60**	-	**37 dB**	-	95 % RH	-	✓	✓	✓	-	1.0	80.0	100 %	✓	✓	30

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	Washability ASTM D4828	Scrubbability ASTM D2486	Mold and mildew ASTM D3273	Resistance to fire up to ▲	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	-	✓	✓	✓	REI 60	0.9	72.0	100 %	✓	✓	30
00083014	48 x 24 x 9/16	▭	10	80	30	-	**0.60**	-	**31 dB**	90 % RH	-	✓	✓	✓	REI 60	0.9	72.0	100 %	✓	✓	30

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	Washability ASTM D4828	Scrubbability ASTM D2486	Mold and mildew ASTM D3273	Resistance to fire up to ▲	Weight approx. [lbs/sqft]	Weight approx. [lbs/carton]	Recyclability	Recycled content	Low VOC emissions	Warranty (years)
OWAcoustic® premium Sandila NRC																					
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	48.0	100 %	✓	✓	30
00082725	48 x 24 x 5/8		10	80	26	**0.70**	-	**35 dB**	-	95 % RH	-	✓	✓	✓	REI 60°	1.0	80.0	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	40.0	100 %	✓	✓	30
00082726	48 x 24 x 5/8		10	80	26	**0.70**	-	**35 dB**	-	95 % RH	-	✓	✓	✓	REI 60	1.0	80.0	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	40.0	100 %	✓	✓	30
00082727	48 x 24 x 5/8		10	80	26	**0.70**	-	**35 dB**	-	95 % RH	-	✓	✓	✓	-	1.0	80.0	100 %	✓	✓	30

▲ dependent on soffit and other specific factors

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

General guidance

Our mineral tiles are manufactured in Germany according to the highest production standards and are subject to constant quality controls. This guarantees consistant high quality of the materiality and performances of our products, which are tailored to the specific needs of the application area. The following section shows a general guidance of the main features of our products.

Dimensions (nom.) [Inches]
The dimensions (lenght x width x thickness) refers to the grid dimension of the ceiling system. Depending on the version the manufacturing dimensions can differ.

PU
Packaging unit (pieces/carton)

NRC (Noise Reduction Coefficient)
Specifies the absorption properties – viz. the degree of sound reflection – of materials in a closed space according to **american** standard ASTM E 1264. Values acc. to manufacturers declaration. Measured and calculated according to ASTM C423.

NRC*
Measured according to EN ISO 354:2003 | EN 16487. Calculated according to ASTM C423.

Absorption class
Absorption classes according to EN ISO 11654 appendix B:
A (α_w = 0.90; 0.95; 1.00) | **B** (α_w = 0.80; 0.85) | **C** (α_w = 0.60; 0.65; 0.70; 0.75)
D (α_w = 0.30; 0.35; 0.40; 0.45; 0.50; 0.55) | **E** (α_w = 0.15; 0.20; 0.25)
not classified (α_w = 0.00; 0.05; 0.10)

CAC (Ceiling Attenuation Class)
Specifies the sound insulation properties – viz. the room to room sound transmission through the common cavity – of a ceiling system according to the american standard ASTM E 1414. Values acc. to manufacturers declaration. Measured and calculated according to ASTM E1414.

CAC*
Measured according to ISO 10848-2. Calculated according to ASTM E1414.

Humidity resistance
OWAcoustic ceiling tiles are tested and classified according to EN 13964:2014 with regard to their bending tensile strength in accordance with the stress classes in table 8. The mineral tiles can temporary be subjected to the stated values without sagging. For permanent moisture load use special tiles (Mavroc®).

Cleanroom class
Many of our ceilings meet six of the nine classes that are defined via the maximum limits specified in EN ISO 14644-1 (ISO classes 4 – 9). This means that these ceiling systems are qualified for many clean room areas and even the highest risk areas in the healthcare sector.

Washability
Washability tested according to ASTM D4828.

Scrubbability
Scrubbability tested according to ASTM D2486.

Mold and mildew
Mold and mildew resistance tested according to ASTM D 3273.

Resistance to fire (up to)
Structural elements based on EN 13501-2:2016-12 encompass the whole structural element and not just the suspended ceiling. This is why this value is dependent on the chosen system, dimension, soffit and other project specific factors.

Weight approx. (lbs/sqft)
Subject to fluctuations of raw materials and production processes.

Weight approx. (lbs/carton)
Subject to fluctuations of raw materials and production processes.

Recyclability
All tiles produced from 1999 are 100 % recyclabe in the course of the OWA green circle.

Recycled content
Our products have an up to 50 % recycled content (depending upon type).

Low VOC emissions
Total VOC after 28 day ≤ 50µg/m³

Warranty (years)
Terms and conditions see guaranty bond.

Legal notice
The printing-related colour and quality variations in this catalogue may result in deviations to the original product. A binding product selection should therefore always be made based on an original sample. All details and technical information in these brochures or other publications that relate to OWA ceiling systems are based on test results that were achieved under laboratory conditions. It is the customer's responsibility to ensure that this information is appropriate for their specific application. All system-related data and statements correspond to the current state of technology. They assume the exclusive application of OWA products and their interdependent behaviour which is confirmed by internal and external testing. If they are used in combination with non-OWA products, any warranties or guarantees are invalidated and liability will not be accepted. Subject to technical changes for the purpose of product or system updates. Subject to technical changes without prior announcement. Our general sales, delivery and payment terms and conditions apply. Prices are subject to change without notice.

Subject to mistakes and printing errors.

Sustainability

OWA green circle

OWA ceiling systems contribute to certification according to

- **LEED** (Leadership of Energy and Environmental Design)
- **BREEAM** (Building Research Establishment Environmental Assessment Methodology)
- The **WELL** Building Standard

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