

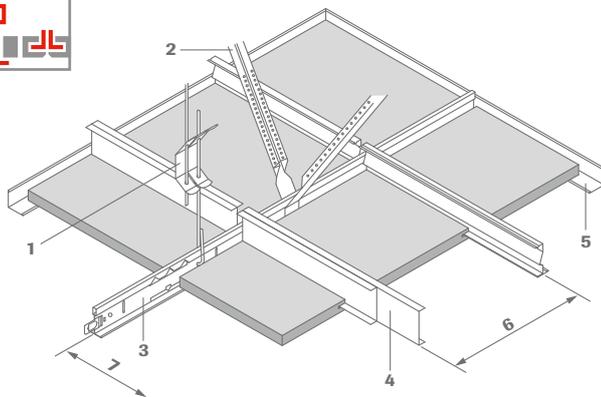


Semi-concealed,
demountable

OWAlifetime collection

OWA

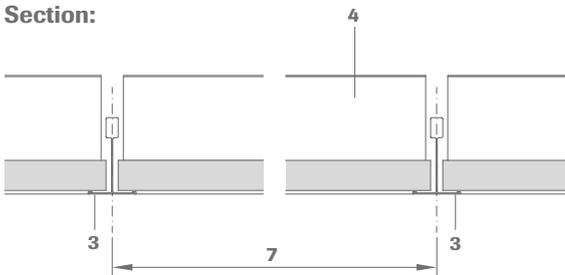
System S 2p | semi-concealed, demountable



- 1 Hanger no. 12/.../...
- 2 Angle brace no. 17/80, Nonius hanger extension no. 16/... and safety pin no. 76 (double) **compulsory**
- 3 Main tee no. 45
- 4 Tile reinforcement profiles, depending on span width, every 5th profile has to be fixed by a perimeter bracket (see OWA Installation Guide no. 801 E, page 74).
- 5 Wall angle no. 51/25
- 6 Tile support section centres
- 7 Main tee spacing centres, depending on tile length

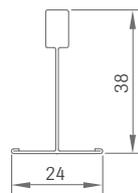
If the suspension depth is less than 190 mm, the angle brace no. 17/80 has to be shortened on site.

Section:

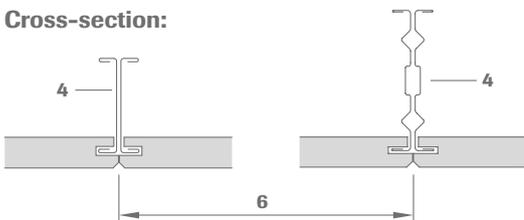


Section dimension:

No. 45



Cross-section:



Technical data | mineral tiles

Dimensions/Designs

Possible dimensions and designs can be found in the [OWAlifetime collection price list 9001 e.](#)

Edges details

Long edge:  Short edge: 

Thickness

Approx. 15 mm and 20 mm

Reaction to fire

A2-s1,d0 in accordance with EN 13501-1

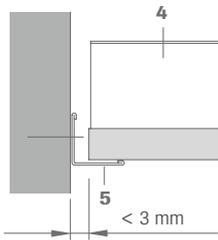
Metal suspensions

All metal components listed are galvanized steel or white coated galvanized steel respectively. For further details and colours please consult OWAlifetime collection price list.

Suspension depth

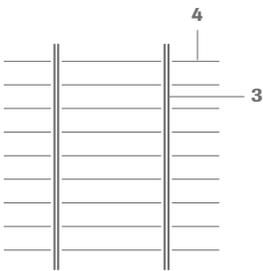
For ease of panel removal 150 mm is recommended. When suspension depth \leq 500 mm angle brace no. 17/80 is required. When suspension depth $>$ 500 mm reinforcement with CD sections is required.

Wall perimeter:



Other wall connection options and installation details can be found in [OWA-Installation Guide 9801 e](#).

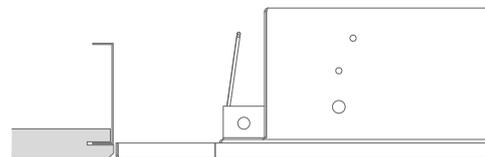
Installation example:



Light fixtures:

OWA can supply compatible light fixtures for this system.

For details of performance, installation please see [OWA-brochure 9630 e](#) and [OWA-Installation Guide 9801 e](#).



Section span widths:

for sections clear spanning between two points in mm

	Item no.	Section description	Stalk height (mm)	Material thickness (mm)	up to 312.5 mm 15 mm	up to 400 mm 15 mm
non-demountable	20	Z profile (galv.)	21	0.5	1490	1410
	19	Z profile (galv.)	70	0.5	2500	2500
	19/10	Z profile (galv.)	70	0.6	2500	2500
demountable	37	L profile (galv.)	25	0.6	1600	1520
	36	C profile (galv.)	50	0.5	2500	2500
	36/70	C profile (galv.)	70	0.6	2500	2500

Length of tile reinforcement profile = panel length – 5 mm

Note:

The above-mentioned OWA span width recommendations for clearspan systems limits the maximum deflection of the profiles, for aesthetic reasons, to 2.5 mm. Should the allowable deflection according to Class 1 of EN 13964 be applicable (maximum deflection 4.0 mm or L/500), please contact our OWAconsult team. In the case of additional loads such as mineral wool insulation, the above-mentioned clear span widths are to be reduced accordingly. Flush or surface-mounted service elements, such as lights, sprinklers or ventilators, should always be independently suspended (see [OWA-Installation Guide 9801 e](#) point 5.5). Only reinforcement profiles of full cross-section are to be used. The profiles must be loaded symmetrically.

Material requirements per m² (approximations)

Dimensions in mm

No.	Description	Panel length: 1500 mm	Panel length: 2000 mm*
		Main tee spacing centres: 1506 mm	Main tee spacing centres: 2006 mm*
12/.../...	Hanger	0.7 pce	0.7 pce
17/80	Angle brace	1.4 pcs	1.4 pcs
16/...	Hanger extension	1.4 pcs	1.4 pcs
76	Safety pin	2.8 pcs	2.8 pcs
45	Main tee	0.66 m	0.50 m
Tile reinforcement profile demountable	300 mm	4.43 pcs	3.32 pcs
	312.5 mm*	4.25 pcs	3.19 pcs
	400 mm	3.32 pcs	2.49 pcs
51/25	Wall angle	Depending on room size and shape	

* Stock items

When installing **non**-demountable tiles, you need half of the Z profiles!

Weight per m²:

	Panel length: 1500 mm	Panel length: 2000 mm*
	Main tee spacing centres: 1506 mm	Main tee spacing centres: 2006 mm*
Suspension system approx.	2.6 kg/m ²	2.5 kg/m ²
Tiles 15 mm approx.	4.5 kg/m ²	4.5 kg/m ²

The suspension weight was calculated with a tile width of 300 mm and C profile no. 36/70 (double)!

System description:

Semi-concealed OWAconstruct System S 2p

Quality requirements for mineral tiles:

OWAcoustic mineral tiles firmly bound with a primer coat on both sides. The tile is free from asbestos. No formaldehyde is added in the manufacturing process of the mineral tiles. The mineral wool used for the manufacture of the tile is bio-soluble. The criteria for non-classification as a carcinogenic substance in accordance with the Chemicals Prohibition Ordinance (Section 1 Appendix, Paragraph 23 biopersistent fibres) are met and guaranteed by the .RAL seal of approval for mineral wool'. Verification of fitness for use according to EU CPR: CE marking and Declaration of Performance (DoP).

Mineral tiles accordance with EN 13964 and DIN 18177:

Air permeability class	PM 1
Formaldehyde class	FH 1
Emission of VOC	TVOC 1

Installation should be carried out in accordance with the information contained in system leaflet S 2p e and [OWA-Installation Guide 9801 e](#). All components are CE labelled.

Component list:

OWAconstruct hanger no. 12/.../...
 OWAconstruct angle brace no. 17/80, hanger extension no. 16/...
 Safety pin no. 76
 OWAconstruct main tee no. 45, white
 OWAconstruct Z profile no. 20 or no. 19/10 (tiles non-demountable)
 OWAconstruct L profile no. 37 or C profile no. 36 (tiles demountable)
 OWAconstruct wall angle no. 51/25, white



Certified Management Systems

Product warranties

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