



Product overview

Ceiling tiles made of mineral wool:
The basis for sustainable interior
decorating projects.

OWA high-performance tiles made of mineral wool

OWA mineral wool tiles are manufactured in Germany. They stand for the highest quality and performance in connection with noise insulation, noise level reduction, thermal insulation and fire safety. OWA mineral wool tiles are available with many surfaces and different installation systems, and are therefore suitable for ceiling systems in offices and call centres as well as in restaurants, hospitals, hotels, shops, stadiums or educational establishments.

Offices



Sustainable buildings



Schools



Hospitals



Restaurants



Stadiums



OWA construction systems

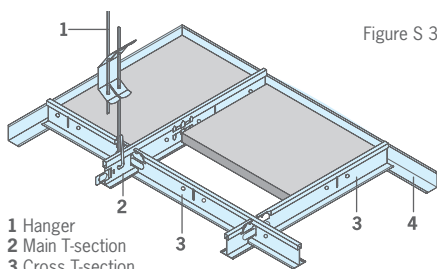
OWA construction systems are suitable for the installation of a great number of different removable cladding tiles. A "Click" fastening system simplifies the installation, guarantees perfect alignment and an optimum finish – whether for visible systems, Contura edge or concealed systems. **For further dimensions see OWA system brochures.**

System S 3, S 15

Exposed, demountable



Figure S 3



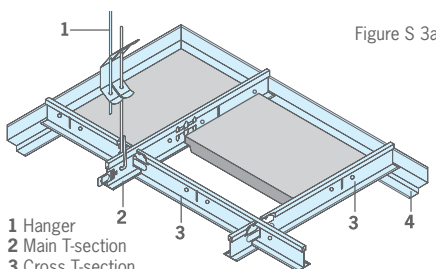
- 1 Hanger
- 2 Main T-section
- 3 Cross T-section
- 4 Wall section

System S 3a, S 15a

Exposed, demountable



Figure S 3a



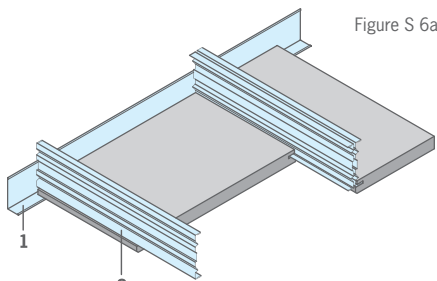
- 1 Hanger
- 2 Main T-section
- 3 Cross T-section
- 4 Shadow wall section

System S 6

Clear spanning



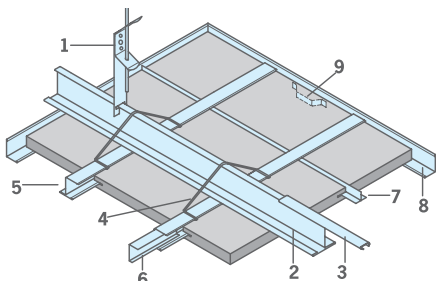
Figure S 6a



- 1 Wall section
- 2 C-section

System S 1

Concealed



- 1 Hanger
- 2 Main runner
- 3 Connector
- 4 Wire clips
- 5 Z-section
- 6 Coupling
- 7 T-Section
- 8 Wall section
- 9 Wall spring

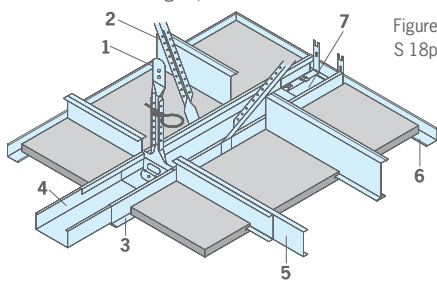
System S 18

Bandraster Modular Pan Grid

Parallel and Cross grid, demountable



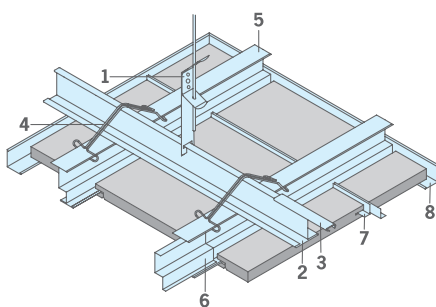
Figure S 18p



- 1 Nonius hanger
- 2 Angle brace
- 3 Bandraster main grid section
- 4 Coupling
- 5 C-section
- 6 Wall section
- 7 Wall anchor

System S 9a

Concealed, demountable



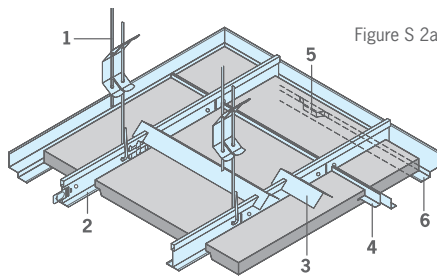
- 1 Hanger
- 2 Main runner
- 3 Connector
- 4 Wire clips
- 5 Stepped Z-section
- 6 Coupling
- 7 L-section
- 8 Wall section

System S 2a, S 2b

Semi-concealed, demountable



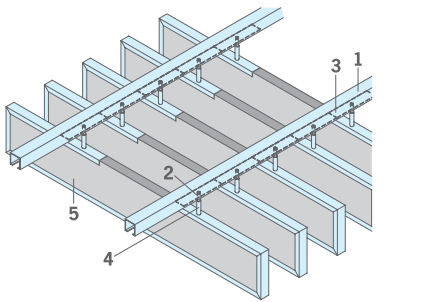
Figure S 2a



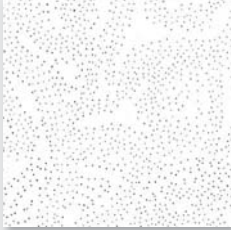

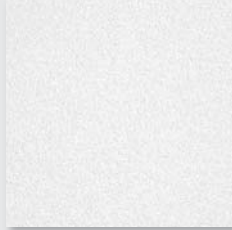
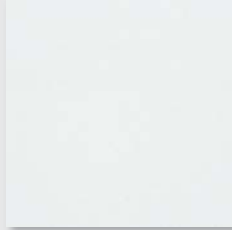
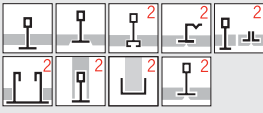
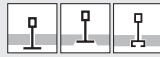
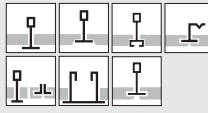
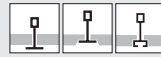

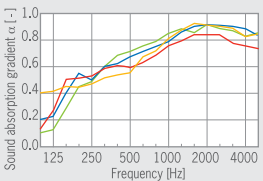

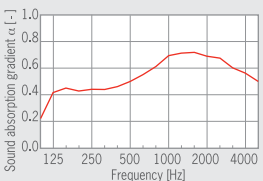

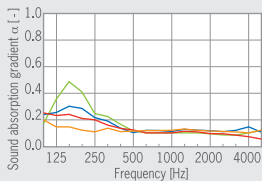

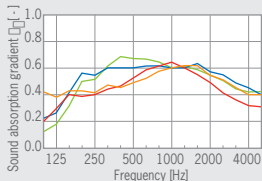

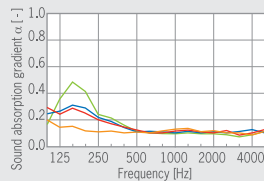

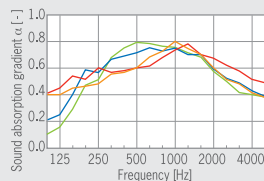

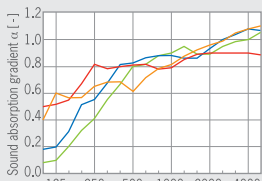
















- 1 Hanger
- 2 Main T-section
- 3 Stabilizer bar
- 4 L-Section
- 5 Wall spring
- 6 Shadow wall section

System S 12d

Acoustic baffle system



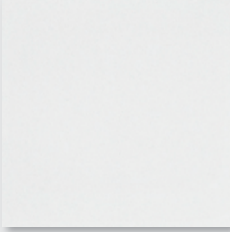
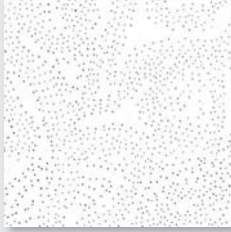
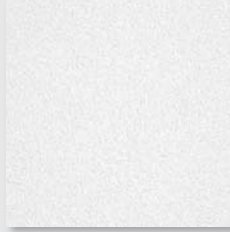

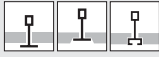
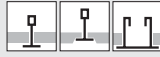
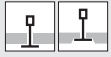





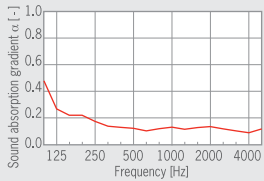
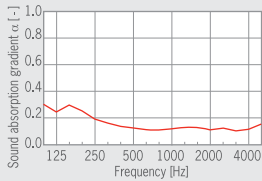
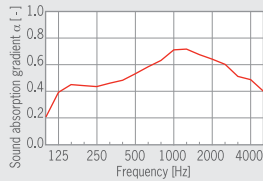

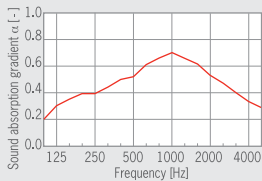













- 1 C-section
- 2 Hexagonal bolt
- 3 Square washer
- 4 Connection sleeve
- 5 Baffle with three-sided white metal frame

	Constellation	Sandila	Cosmos	Bolero																																																																																																																																
Tile cut-out / cut-out magnified																																																																																																																																				
System																																																																																																																																				
Building material class	A2-s1,d0 to EN 13501-1	A2-s1,d0 to EN 13501-1	A2-s1,d0 to EN 13501-1	A2-s1,d0 to EN 13501-1																																																																																																																																
Thickness	15 mm ● 14 mm ●	15 mm ●	15 mm ●	15 mm ●																																																																																																																																
Standard sizes	600 x 600 / 625 x 625 mm ● ¹ 1200 x 600 / 1250 x 625 mm ● ¹ 600 x 600 / 625 x 625 mm ● ¹	600 x 600 / 625 x 625 mm ● ¹ 1200 x 600 / 1250 x 625 mm ● ¹	600 x 600 / 625 x 625 mm ● ¹ 1200 x 600 / 1250 x 625 mm ● ¹	600 x 600 / 625 x 625 mm ● ¹ 1200 x 600 / 1250 x 625 mm ● ¹																																																																																																																																
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Colour	white	white	white	white																																																																																																																																
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Sound absorption:	<p> Constellation – 15 mm ●</p>  <table border="1"> <thead> <tr> <th>Cavity height</th> <th>α_w-value</th> <th>NRC-value</th> <th>SRA-value</th> </tr> </thead> <tbody> <tr> <td>E50</td> <td>0.75</td> <td>0.75</td> <td>0.85</td> </tr> <tr> <td>E100</td> <td>0.75</td> <td>0.70</td> <td>0.80</td> </tr> <tr> <td>E200</td> <td>0.70</td> <td>0.70</td> <td>0.75</td> </tr> <tr> <td>E400</td> <td>0.65 (H)</td> <td>0.70</td> <td>0.80</td> </tr> </tbody> </table> <p> Constellation – 14 mm ●</p>  <table border="1"> <thead> <tr> <th>Cavity height</th> <th>α_w-value</th> <th>NRC-value</th> <th>SRA-value</th> </tr> </thead> <tbody> <tr> <td>E200</td> <td>0.60</td> <td>0.60</td> <td>0.60</td> </tr> </tbody> </table>	Cavity height	α_w -value	NRC-value	SRA-value	E50	0.75	0.75	0.85	E100	0.75	0.70	0.80	E200	0.70	0.70	0.75	E400	0.65 (H)	0.70	0.80	Cavity height	α_w -value	NRC-value	SRA-value	E200	0.60	0.60	0.60	<p> Sandila/O – 15 mm</p>  <table border="1"> <thead> <tr> <th>Cavity height</th> <th>α_w-value</th> <th>NRC-value</th> <th>SRA-value</th> </tr> </thead> <tbody> <tr> <td>E50</td> <td>0.15 (L)</td> <td>0.15</td> <td>0.10</td> </tr> <tr> <td>E100</td> <td>0.15 (L)</td> <td>0.15</td> <td>0.10</td> </tr> <tr> <td>E200</td> <td>0.10 (L)</td> <td>0.15</td> <td>0.10</td> </tr> <tr> <td>E400</td> <td>0.15</td> <td>0.10</td> <td>0.10</td> </tr> </tbody> </table> <p> Sandila/N – 15 mm</p>  <table border="1"> <thead> <tr> <th>Cavity height</th> <th>α_w-value</th> <th>NRC-value</th> <th>SRA-value</th> </tr> </thead> <tbody> <tr> <td>E50</td> <td>0.60</td> <td>0.60</td> <td>0.55</td> </tr> <tr> <td>E100</td> <td>0.60</td> <td>0.60</td> <td>0.55</td> </tr> <tr> <td>E200</td> <td>0.50</td> <td>0.50</td> <td>0.50</td> </tr> <tr> <td>E400</td> <td>0.55</td> <td>0.50</td> <td>0.50</td> </tr> </tbody> </table>	Cavity height	α_w -value	NRC-value	SRA-value	E50	0.15 (L)	0.15	0.10	E100	0.15 (L)	0.15	0.10	E200	0.10 (L)	0.15	0.10	E400	0.15	0.10	0.10	Cavity height	α_w -value	NRC-value	SRA-value	E50	0.60	0.60	0.55	E100	0.60	0.60	0.55	E200	0.50	0.50	0.50	E400	0.55	0.50	0.50	<p> Cosmos/O – 15 mm</p>  <table border="1"> <thead> <tr> <th>Cavity height</th> <th>α_w-value</th> <th>NRC-value</th> <th>SRA-value</th> </tr> </thead> <tbody> <tr> <td>E50</td> <td>0.15 (L)</td> <td>0.15</td> <td>0.10</td> </tr> <tr> <td>E100</td> <td>0.15 (L)</td> <td>0.15</td> <td>0.10</td> </tr> <tr> <td>E200</td> <td>0.15 (L)</td> <td>0.15</td> <td>0.10</td> </tr> <tr> <td>E400</td> <td>0.15</td> <td>0.10</td> <td>0.10</td> </tr> </tbody> </table> <p> Cosmos/N – 15 mm</p>  <table border="1"> <thead> <tr> <th>Cavity height</th> <th>α_w-value</th> <th>NRC-value</th> <th>SRA-value</th> </tr> </thead> <tbody> <tr> <td>E50</td> <td>0.60</td> <td>0.65</td> <td>0.65</td> </tr> <tr> <td>E100</td> <td>0.60</td> <td>0.65</td> <td>0.65</td> </tr> <tr> <td>E200</td> <td>0.65</td> <td>0.65</td> <td>0.65</td> </tr> <tr> <td>E400</td> <td>0.60</td> <td>0.60</td> <td>0.60</td> </tr> </tbody> </table>	Cavity height	α_w -value	NRC-value	SRA-value	E50	0.15 (L)	0.15	0.10	E100	0.15 (L)	0.15	0.10	E200	0.15 (L)	0.15	0.10	E400	0.15	0.10	0.10	Cavity height	α_w -value	NRC-value	SRA-value	E50	0.60	0.65	0.65	E100	0.60	0.65	0.65	E200	0.65	0.65	0.65	E400	0.60	0.60	0.60	<p> Bolero – 15 mm</p>  <table border="1"> <thead> <tr> <th>Cavity height</th> <th>α_w-value</th> <th>NRC-value</th> <th>SRA-value</th> </tr> </thead> <tbody> <tr> <td>E50</td> <td>0.75 (H)</td> <td>0.75</td> <td>0.90</td> </tr> <tr> <td>E100</td> <td>0.85 (H)</td> <td>0.80</td> <td>0.95</td> </tr> <tr> <td>E200</td> <td>0.85</td> <td>0.85</td> <td>0.85</td> </tr> <tr> <td>E400</td> <td>0.80 (H)</td> <td>0.75</td> <td>0.85</td> </tr> </tbody> </table>	Cavity height	α_w -value	NRC-value	SRA-value	E50	0.75 (H)	0.75	0.90	E100	0.85 (H)	0.80	0.95	E200	0.85	0.85	0.85	E400	0.80 (H)	0.75	0.85
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Sound reduction * :	 from 31 to 49 dB ● 29 dB ●	 from 35 to 49 dB (Sandila/O) from 31 to 49 dB (Sandila/N)	 from 35 to 49 dB (Cosmos/O) from 31 to 49 dB (Cosmos/N)	 33 dB																																																																																																																																
Moisture resistance:	 up to 95 % RH ● up to 90 % RH ●	 up to 95 % RH	 up to 95 % RH	 up to 95 % RH																																																																																																																																
Light reflection:	 approx. 87 (ISO 7724-2, ISO 7724-3)	 approx. 87 (ISO 7724-2, ISO 7724-3)	 approx. 84 (ISO 7724-2, ISO 7724-3)	 approx. 84 (ISO 7724-2, ISO 7724-3)																																																																																																																																
Fire protection:	 up to F 120 (DIN 4102) ● up to REI 120 (EN 13501-2) ● up to F 90 (DIN 4102) ● up to REI 90 (EN 13501-2) ●	 up to F 120 (DIN 4102) ● up to REI 120 (EN 13501-2) ●	 up to F 120 (DIN 4102) ● up to REI 120 (EN 13501-2) ●	 up to F 90 (DIN 4102) ● up to REI 90 (EN 13501-2) ●																																																																																																																																

¹ Standard imperial sizes available, other sizes on request ² Only available for product line premium

* The degree of sound insulation may vary, depending on the installation system for the product.

● Product line OWAacoustic® premium ● Product line OWAacoustic® smart ● Product line OWAdeco®

Sinfonia	Janus	OWAlux	AquaCosmos	Finetta																																																												
																																																																
																																																																
A2-s1,d0 to EN 13501-1	A2-s1,d0 to EN 13501-1	A2-s1,d0 (greywhite, silver) A2-s3,d0 (white) to EN 13501-1	A2-s1,d0 to EN 13501-1	A2-s1,d0 to EN 13501-1																																																												
15 mm ●	30 mm/33 mm ●	15 mm ●	15 mm ●	14 mm ●																																																												
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4.2 kg/m ²	10 kg/m ² / 11 kg/m ²	4.5 kg/m ²	5.5 kg/m ²	4.2 kg/m ²																																																												
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** available in dessins Constellation, Harmony, Plain, Universal and Cosmos .../O = un-needed .../N = needed Thermal conductivity: 0.063 W/mK

Sandila



A2-s1,d0
to EN 13501-1

14 mm ●

600 x 600 / 625 x 625 mm ●¹

4.2 kg/m²

white

Comet



B-s1,d0
to EN 13501-1

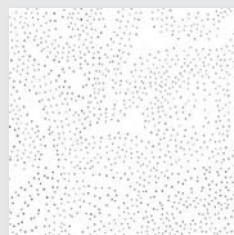
12 mm ●

600 x 600 mm ●

3.0 kg/m²

white

Sirius



B-s1,d0
to EN 13501-1

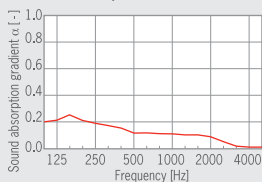
12 mm ●

600 x 600 mm ●

3.0 kg/m²

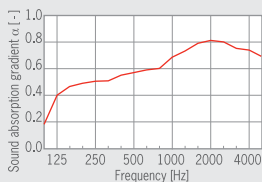
white

Sandila/O – 14 mm



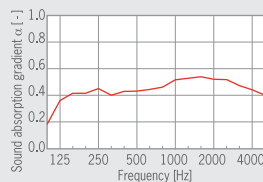
Cavity height	α_w -value	NRC-value	SRA-value
— E200	0.10 (L)	0.10	0.10

Comet – 12 mm



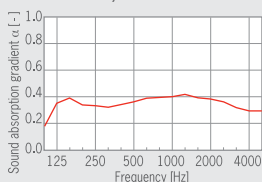
Cavity height	α_w -value	NRC-value	SRA-value
— E200	0.65	0.65	0.70

Sirius – 12 mm




Cavity height	α_w -value	NRC-value	SRA-value
— E200	0.50	0.50	0.45


Sandila/N – 14 mm




Cavity height	α_w -value	NRC-value	SRA-value
— E200	0.40	0.35	0.35


 29 dB


 up to 90 % RH


 approx. 90
(ISO 7724-2, ISO 7724-3)


 up to F 90 (DIN 4102)
up to REI 90 (EN 13501-2)


 on request


 up to 70 % RH

 approx. 86
(ISO 7724-2, ISO 7724-3)

 no fire resistance

 on request

 up to 70 % RH

 approx. 89
(ISO 7724-2, ISO 7724-3)

 no fire resistance

OWA Mineral Wool Tiles

OWA mineral wool tiles are made of pure, biodegradable mineral wool and other natural components. They are free of formaldehyde and other harmful substances and pose no threat to the environment or your health.

OWA mineral wool tiles comply with international requirements in connection with sustainability and quality. The products are certified by the following institutes: BLUE ANGEL, EPA, RAL and TÜV. OWA mineral wool tiles are even recommended for highly sensitive areas such as hospitals, day care centres and schools, for example.

OWA mineral wool tiles provide a high level of safety. They have outstanding fungus and bacteria-inhibiting properties, and also have an impressively high resistance to fire. The tiles are classified as non-flammable according to the strict safety standards in Europe (EN 13501-1), the United States (ASTM E84-97) and Brazil (NBR-9442).

OWA mineral wool tiles are installed with the OWA construction system. Benefit: These construction systems are optimised, especially in a fire protection context. Result: In accordance with standards DIN 4102 and EN 13501-2, OWA ceiling systems can withstand fire for up to 120 minutes. OWA ceiling systems therefore form a very safe ceiling cover for a great variety of structural designs.

OWA mineral wool tiles have good mechanical strength, thanks to their high density. This reduces the breakage rates during transport, storage and installation.

OWA mineral wool tiles are also available with different finishes for special applications.

- > **OWAlux®:** The foil-coated OWAacoustic® tiles prevent the deposit of grime to a great extent. The white and silver designs can be cleaned and disinfected, and are thus suitable for hospitals, laboratories, sterile and hygienic areas.
- > **Sanitas® 02:** Protects with a bactericide and fungicide effect; also suitable for disinfection; for hospitals, laboratories, sterile and hygienic areas. Available with a stellar constellation or plain surface.
- > **biocide:** Protects with a bactericide and fungicide effect and combines smooth surface with outstanding sound absorption. Available with patterns Bolero and Sinfonia.

Also see brochure no. 897 E and no. 898 E for more information.

Sustainability

LEED points

- > Energy consumption
- > Disposal of waste
- > Recycling fraction
- > VOC emissions
- > Natural lighting conditions and landscape

Health

- > "BLUE ANGEL"
- > without formaldehyde
- > no VOC emissions

Environmental protection

- > 100% recyclable
- > manufactured of pure, biodegradable mineral wool and natural components.
- > fungus and bacteria inhibiting



euofins



Warranty

We offer a 10 year warranty on OWA mineral wool tiles if the installation recommendations of the manufacturer are observed.



OWAcoustic® free space absorber

Create your own private space wherever and whenever required with OWAcoustic® free space absorbers. They can be easily moved and are ideal for creating meeting areas in offices, call centres, halls and foyers.

> Technical details see brochure no. 582 E.



OWAcoustic® slim wall absorber

Improve the acoustics and the look of your rooms quickly and permanently: with OWAcoustic® slim wall absorbers you can achieve both at once, with little effort and at low cost.

> Technical details see brochure no. 583 E.



OWAcoustic® art wall absorber

Performance art – providing the medium to convey a message and the improved acoustics to hear it. OWAcoustic® art wall mounted sound absorbers, can be used to improve the acoustic and visual environment in classrooms, foyers, restaurants and offices, from corporate logo in the boardroom to messages on the classroom wall.

> Technical details see brochure no. 584 E.

OWA

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