Focusing on smooth surfaces

OWAlux®

These tiles meet the highest standards in terms of cleanliness and hygiene. This is all down to the smooth, foil-laminated surface, which largely prevent any deposits of dirt or bacteria. Special advantage: the tiles are very resilient and can be easily cleaned.

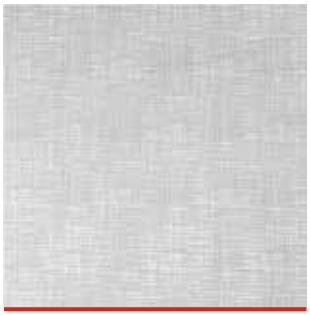
Areas of use:
- hospitals
- retail / food industry
- laboratories
- sterile and hygiene areas
- damp rooms

Surface example | OWAlux | White

Material	Mineral tile, film laminated
Reaction to fire	A2-s3,d0 nach EN 13501-1 (white) A2-s1,d0 in accordance with EN 13501-1 (silver)
Thickness	15 mm nom.
Colours	Silver, white
Light reflection	Approx. 86 (ISO 7724-2, ISO 7724-3) (white)
Sound reduction*	$D_{n,f,w}$ = 35 dB up to 49 dB, CAC 37 dB
Moisture resistance	up to 95 % RH
Reaction to fire*	up to REI 180 (EN 13501-2)
Cleanroom class°	ISO 4 (ISO 14644-1:2015)

* Dependent on system, soffit and other factors
° Dependent on system S 3

α_w = 0.15 | NRC = 0.15



OWAlux | Silver

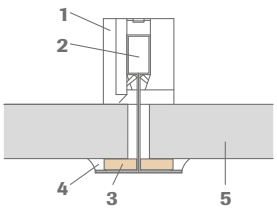
α_w = 0.15 | NRC = 0.15

OWAlux | White

Possible sizes and system combinations

Module sizes in mm	Visible S3
600 x 600	▪
625 x 625	▪
1200 x 600	▪
1250 x 625	▪

Construction example:



1 Hold down clip
2 Main tee and cross tee
3 Permanently elastic foam compression strip, if required
4 Silicone rubber (or equivalent), if required
5 Mineral tile, film laminated

Further information

Cleaning:
All OWAlux® surfaces can be vacuumed, dusted or wiped clean with a damp OWA sponge.

High-pressure cleaning:
OWAlux® tiles are suitable for large-scale cleaning with a high-pressure cleaner – with a maximum water temperature of 38°C and a maximum operating pressure of 40 bar. The cleaning jet is predefined by a flat nozzle. The nozzle spraying angle is 30°, the minimum distance is 40 cm.

For this type of cleaning, **installation with a seal** is required (see above). If the tiles are dirty or covered with aggressive media (alkaline solutions, acids, fat/grease etc.), it may not be possible to preserve the high-quality appearance after cleaning.

Temperature resistance:
up to 50°C in the area of the ceiling tile

Disinfectability:
According to an expert opinion from Dr. Weßling Laboratories in Altenberge, OWAlux® | white tiles can be classified as having very good disinfectability.

Test passed: suitable for clean rooms
OWAlux® is certified for clean room class **ISO 4** (ISO 14644-1:2015). This makes it suitable for use in clean rooms. We will be glad to send you a test certificate to verify this.

OWAlux® is a high-quality wet-felt product whose components are firmly bound together. For this reason, edge sealing is not necessary.

Dr. Weßling Laboratorium GmbH
Lebensmittel-Labor