

OWAcoustic® premium, MAVROC®, AquaCosmos®

Ceiling tiles for high humidity areas

Moisture resisting ceilings



In such areas as swimming pools and showers, suspended ceilings are exposed to extreme moisture conditions.

Moisture is measured as Relative Humidity (RH) and is always dependent on the area temperature. In these humid areas it is important to install the correct OWAcoustic® tiles. MAVROC® and AquaCosmos® tiles have been specifically developed for high moisture conditions. Further information on moisture resisting ceilings is available in the OWA Installation Guide 801.

Suspension Construction

It is recommended that in areas where the ceiling is exposed to constant extreme humidity conditions a corrosion resistant suspension grid such as OWAcoustic® system S 3e is used.

OWAcoustic® premium

OWAcoustic®-premium tiles can, according to dimensions and surface pattern, be used in short term humidity conditions **up to 95 % RH**. Care should be taken to ensure that there is natural or mechanical ventilation to transport moisture to the outside. For technical data on OWAcoustic® premium tiles refer to pattern details.



OWAcoustic® MAVROC®

OWAcoustic® MAVROC® is specifically for moist and outside areas. The tiles remain stable over long term exposure to moisture conditions with humidity **of up to 95 % RH**. Even under extreme conditions – OWA ceilings remain stable!

Technical Data

Material

Mineral wool tiles



Building material class

A2-s1,d0 to EN 13501-1

Thickness

15 mm nom.

Colour

white

Light reflection

approx. 86 – 88 (dependent on surface)
(ISO 7724-2, ISO 7724-3)

Sound insulation*

from 31 dB to 49 dB (dependent on pattern)

Sound absorption



Moisture resistance

stable to 95 % RH, permanent

Fire protection*

up to F 120 (DIN 4102)
up to REI 120 (EN 13501-2)

* Dependent on system, soffit and other additional factors

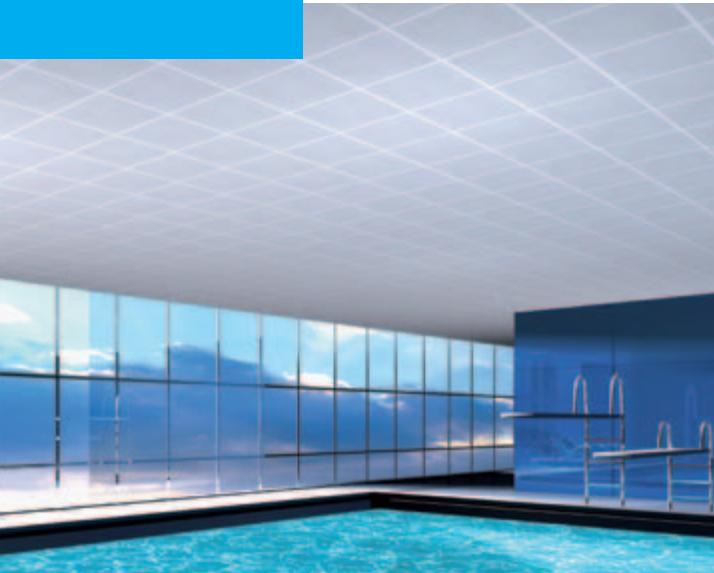
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Moisture resisting ceilings

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Ceiling tiles for high humidity areas



OWAcoustic® premium AquaCosmos®

Permanent stability under extreme conditions. AquaCosmos® tiles have a high resistance to the effects of extreme constant moisture conditions. They are durable and stable in relative humidity of **100 % RH**. For further technical details refer to pattern pages.

Technical Data

Material

Mineral wool tiles



Building class

A2-s1,d0 to EN 13501-1

Thickness

15 mm nom.

Colour

white

Light reflection

approx. 84 (ISO 7724-2, ISO 7724-3)

Sound reduction*

from 31 dB to 49 dB (Needled)

from 35 dB to 49 dB (Un-needed)

Sound absorption



$\alpha_w = 0.25$ / NRC = 0.25 (Un-needed)



$\alpha_w = 0.55$ / NRC = 0.55 (Needled)

Moisture resistance



to 100 % RH

Fire protection*



up to F 120 (DIN 4102)

up to REI 120 (EN 13501-2)

* Dependent on system, soffit and other additional factors