PRODUCT SHEET

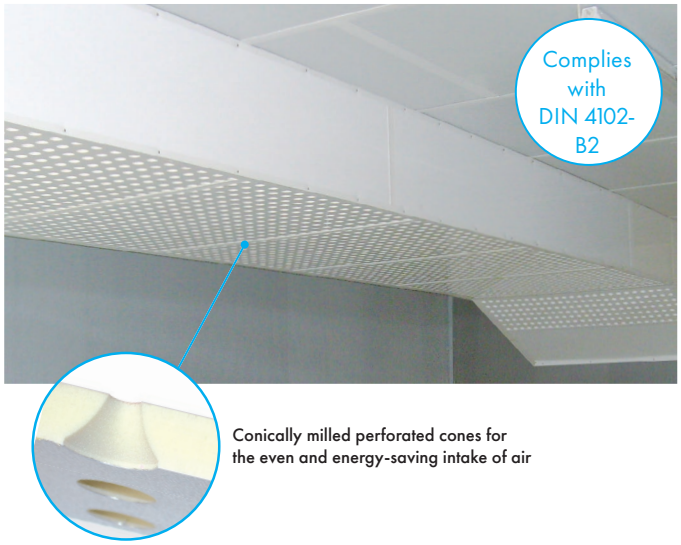
Munters PS OPTIAIR® PVC ceiling/ventilation ceiling

Ventilation ceilings

Ventilation ceilings, as a channel or in complete ceiling configuration, have proven themselves in practice and are suitable for almost every type of stable with a suspended ceiling.

Advantages

- Low velocity of air
- Individual perforation, depending on the number of animals
- Easy installation due to prefabricated channel side parts
- Individual air capacity of 100 - 350 m³/h/m²
- Partial perforation possible
- Openings with nozzle function
- Smooth surfaces
- Comprehensive accessory programme



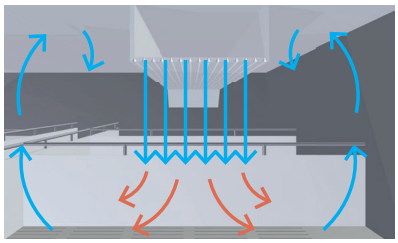
Conically milled perforated cones for the even and energy-saving intake of air

The principle of displacement ventilation enables an adapted fresh air supply. Due to the relatively high perforated surface area, the entry speed of the air into the compartment is kept low and as a result this leads to low pulse inflow. Due to the special geometry of the conical holes, pressure losses are reduced. As a result, the risk of draughts is minimised.

The PVC ceiling PS OPTIAIR is non-perforated, produced from expanded PS hard foam and coated on both sides with rigid PVC.

The PVC ventilation ceiling PS OPTIAIR is individually perforated and utilised either as a partially or completely perforated trickle ceiling. It is made of expanding PS rigid foam and is coated with rigid PVC on both sides.

The air capacity with standard perforation is 250 m³/m²/h (with 10 Pa pressure difference), partial perforation across the entire width of the elements as well as air capacities of 100 m³/m²/h up to 350 m³/m²/h are available without surcharge.



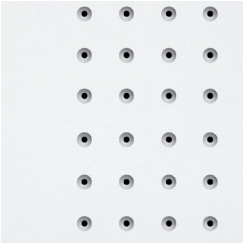
OPTIAIR ceiling as a ventilation air channel / air flow in the room

Technical data

Due to the heat conductivity or insulation value, OPTIAIR® ventilation ceilings belong to the conduction group 040. With a material thickness of 25 mm, the ventilation ceilings have a U-value of 1.258 W/(K·m²).

Accessories + perforation

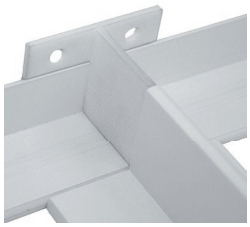
PS PVC air channel side part



PVC ventilation ceiling PS OPTIAIR individual perforated

Mounting retaining plate

Fixing bracket



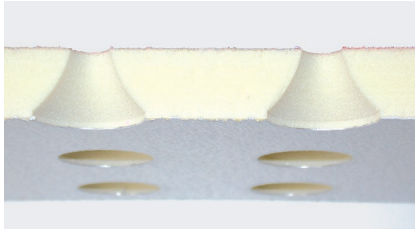
Connector F/T-profile

Munters PS OPTIAIR® PVC ceiling/ventilation ceiling

Ventilation ceilings

PVC ceiling PS OPTIAIR® from PS rigid foam, coated with PVC on both sides. Very solid, hard surface easy to clean and repellent to bugs. Also suitable for air duct installation.

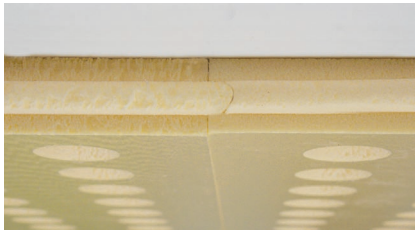
Wall thickness: 25 and 40 mm (Tolerance range 1.5 mm)
Colour: White



Aluminium ceiling PU OPTIAIR® from polyurethane. Coated on both sides with aluminium, one side additionally coated with plastic.

Smooth surface and particularly light, also suitable for air duct installation.

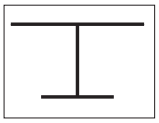
Wall thickness: 25 mm (Tolerance range 1.5 mm)
Colour: White/silver



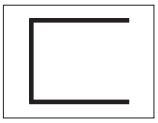
PS ceiling tongue & groove OPTIAIR® from polystyrene, with good mechanical characteristics. Due to the tongue & groove installation, partially possible to dispense with fastening rails. Attractive value for money.

Wall thickness: 30 mm (Tolerance range 1.5 mm)
Colour: Yellow

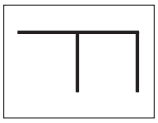
Profiles for ventilation ceilings



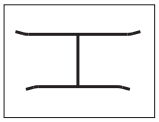
H-profile PVC white
40 mm
(Tolerance range 1 mm)



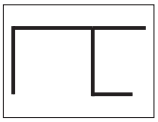
U-profile PVC white
25/40 mm
(Tolerance range 1 mm)



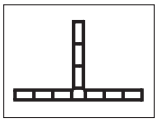
F-profile PVC white
25 mm
(Tolerance range 1 mm)



H-profile PVC white
25 mm
(Tolerance range 1 mm)



Channel-profile PVC white
25/40 mm
(Tolerance range 1 mm)



T-profile Hollow chamber
PVC white
64 x 40 x 5 mm
(Tolerance range 1 mm)

OPTIAIR® PS PVC ceilings

Type	Thickness [1]	Article no.
1,200 x 1,500 mm	25 mm	155100-1
1,200 x 2,000 mm	25 mm	155110-1
1,200 x 2,500 mm	25 mm	155120-1
1,200 x 3,000 mm	25 mm	155130-1
1,200 x 1,500 mm	40 mm	155150-1
1,200 x 2,000 mm	40 mm	155160-1
1,200 x 2,500 mm	40 mm	155170-1
1,200 x 3,000 mm	40 mm	155180-1

[1] the thickness may be subject to tolerances of up to 1.5 mm (23.5 - 25 mm/38.5 - 40 mm)

OPTIAIR® PS PVC-ventilation ceilings

Type	Thickness [1]	Article no.
1,200 x 1,500 mm	25 mm	155000-1
1,200 x 2,000 mm	25 mm	155010-1
1,200 x 2,500 mm	25 mm	155020-1
1,200 x 3,000 mm	25 mm	155030-1
1,200 x 1,500 mm	40 mm	155050-1
1,200 x 2,000 mm	40 mm	155060-1
1,200 x 2,500 mm	40 mm	155070-1
1,200 x 3,000 mms	40 mm	155080-1

[1] the thickness may be subject to tolerances of up to 1.5 mm (23.5 - 25 mm/38.5 - 40 mm)

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