

Acoustics.

Acoustics and design with perforated Montana profiles and liner trays



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LESS NOISE, LESS COST

TOP MEASURED VALUES WITH MONTANA CONSTRUCTIONS

Montana profiles and liner trays attain excellent noise absorption values in transportation facilities and industrial acoustics. The highly effective solutions from Montana with perforated roof panels provide distinct cost advantages compared with subsequently fitted and traditional suspended acoustic ceilings. Savings of up to 30-50% are possible.

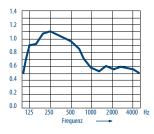
EXAMPLES FOR CERTIFIED CONSTRUCTIONS

FLAT ROOF

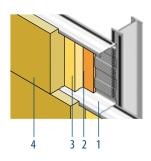
1 2 3 4

- 1 SWISS PANEL® SP 160 A
- 2 Acoustic strip for SP 160 A
- 3 Vapour barrier Sarnafi I 1000 E
- 4 Insulation Isover Thickness 100 mm Density 125 kg/m³ BKZ 6q.3

Statistic noise absorption level in accordance with ISO 354:

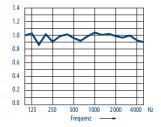


MONTAPLUS®



- 1 MONTAWALL® MK 140/600A
- 2 ISOVER ISOLENE P, 20 mm
- 3 ISOVER ISOCONFORT 032 PR, 60 mm
- 4 ISOVER CLADISOL 032, 140 mm

Statistic noise absorption level in accordance with ISO 354:



There are more certified roof and wall constructions with excellent noise absorption values in our technical documentation Acoustics 7.10.

AESTHETICS,

FROM ACOUSTIC TO VISUAL APPLICATION

More and more architects are experimenting with the optical properties of perforated Montana profiles, with special attention being paid to the selective light transmitting capacity of the profile panels: the effect of daylight on the inside or of artificial light at night to the outside. This results in wonderful transparencies, which give the structure an additional dimension with a great deal of light and ease. You can see other perforated designs and request a visit from a Montana specialist by visiting our home page at www.montana-ag.ch!









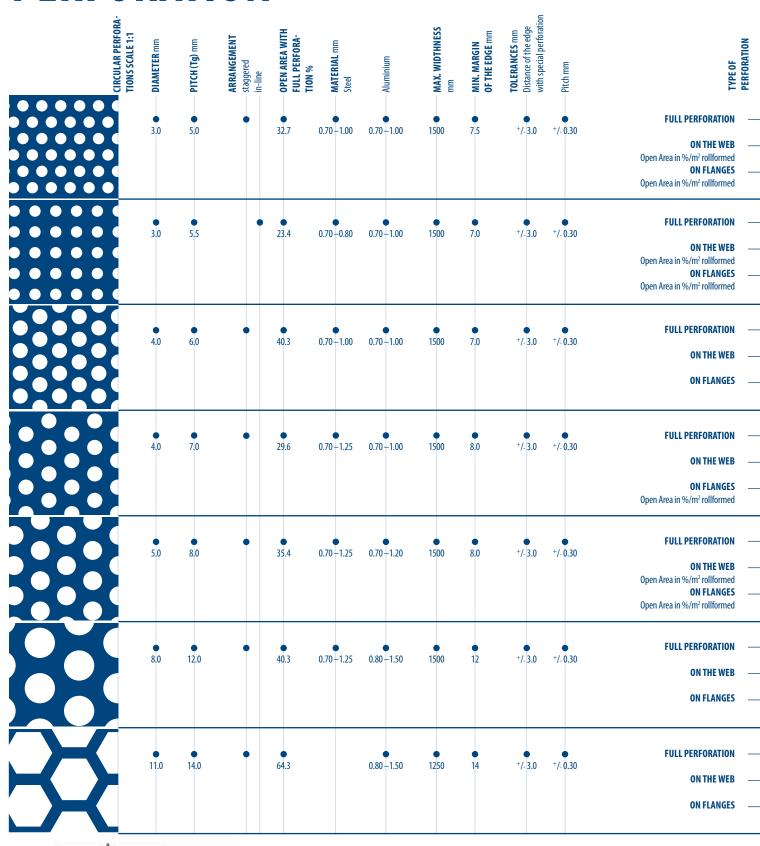


EXPERIMENT, TRANSPARENCY





PERFORATION





MEASUREMENT

A = min. 300 mm (Alu: 360 mm) max. 1,500 mm

B = min. 500 mm / max. 600 mm

C = max. 1,200 mm

COIL MATERIAL

min. lengths = 15 m

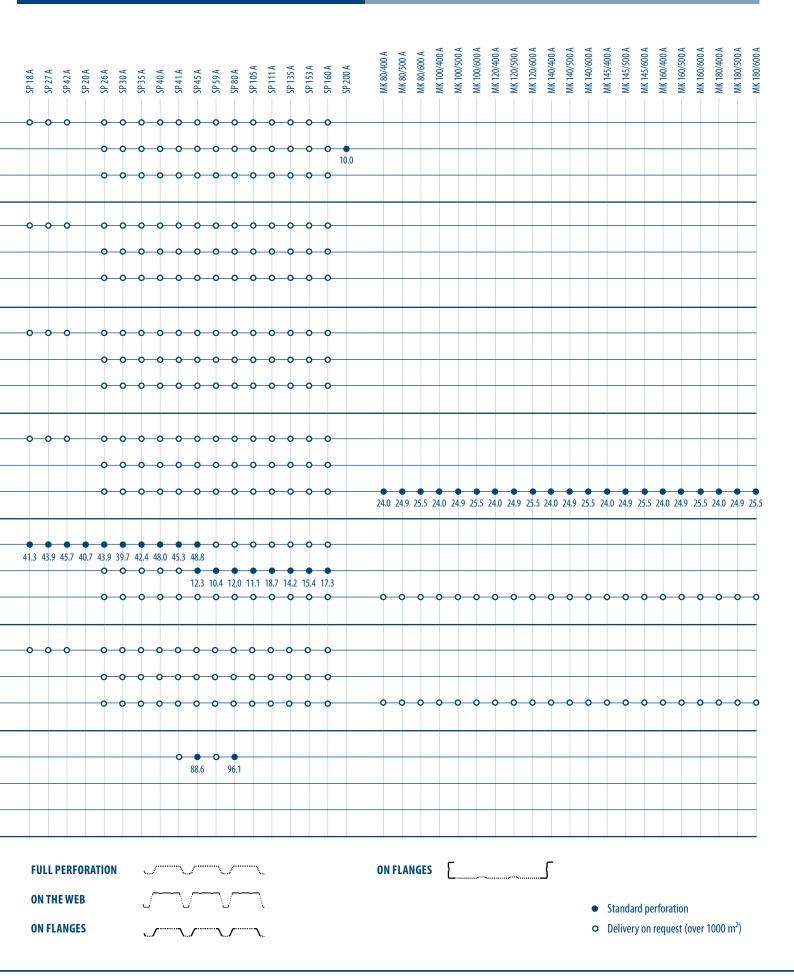
MAX. WEIGHT

steel 10 t aluminium 2.5 t

ON REQUEST

The performated coils can be cut to flat sheets and bend until max. 8 m!

Flat sheets cannot be perforated!



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