



A Tata Steel Enterprise

Acoustics.

Acoustics and design with perforated Montana profiles and liner trays



SWISS MADE⁺

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Certified constructions
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Technical details

Ökihof, Unterägeri (CH) 



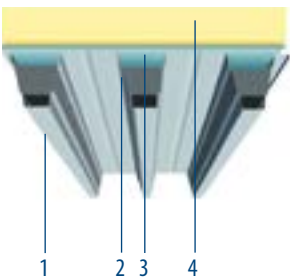
LESS NOISE, LESS COST

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.

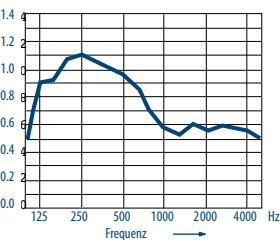
EXAMPLES FOR CERTIFIED CONSTRUCTIONS

FLAT ROOF

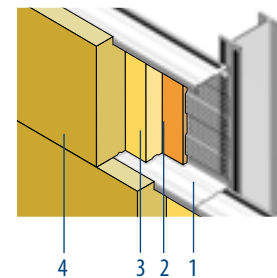


- 1 SWISS PANEL® SP 160 A
- 2 Acoustic strip for SP 160 A
- 3 Vapour barrier Sarnafil 1000 E
- 4 Insulation Isover Thickness 100 mm
Density 125 kg/m³ BKZ 6q.3

Statistic noise
absorption level
in accordance with ISO 354:

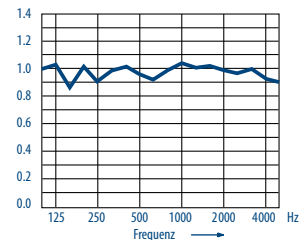


MONTAPLUS®



- 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!



Website
www.montana-ag.ch
With additional product
information and references.



Technical information
In the leaflet Acoustics 7.10
For downloading.



Colour chart
MONTACOLOR® collection with
full summary. For downloading.

EXPERIMENT, TRANSPARENCY



PERFORATION

CIRCULAR PERFORATIONS SCALE 1:1										MONTAWALL* According the feasibility																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
DIAMETER mm	PITCH (Tg) mm	ARRANGEMENT staggered in-line	OPEN AREA WITH FULL PERFORATION %	MATERIAL mm Steel Aluminium	MAX. WIDTH mm	MIN. MARGIN OF THE EDGE mm	TOLERANCES mm Distance of the edge with special perforation	Pitch mm	TYPE OF PERFORMANCE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
3.0	5.0		32.7	0.70–1.00	1500	7.5	+/- 3.0	+/- 0.30		FULL PERFORMANCE	SP 18 A	SP 27 A	SP 42 A	SP 20 A	SP 26 A	SP 30 A	SP 35 A	SP 40 A	SP 41 A	SP 45 A	SP 59 A	SP 80 A	SP 105 A	SP 111 A	SP 135 A	SP 153 A	SP 160 A	SP 200 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				



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

Flat sheets cannot be perforated!

FULL PERFORATION

ON THE WEB

ON FLANGES

ON FLANGES

- Standard perforation
- Delivery on request

www.montana-ag.ch

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