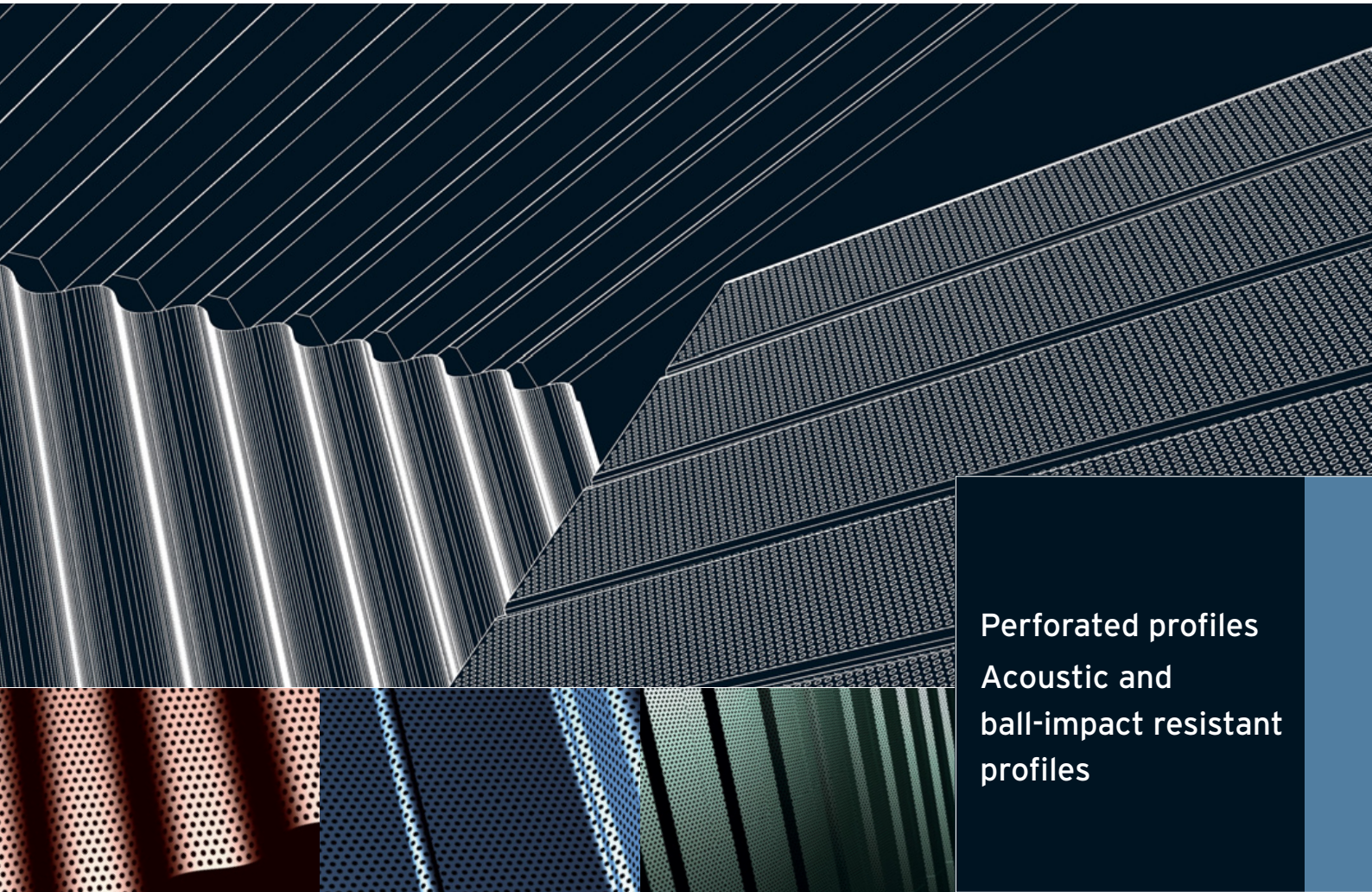


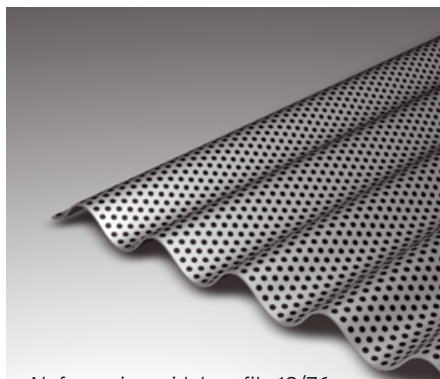
Aluform
S Y S T E M E



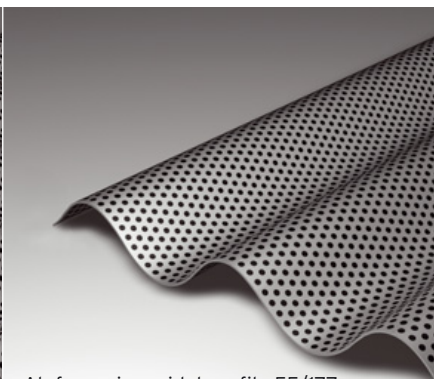
Perforated profiles
Acoustic and
ball-impact resistant
profiles

flexible building.
sustainable thinking.

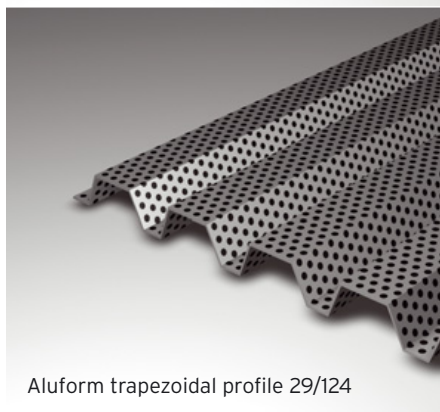




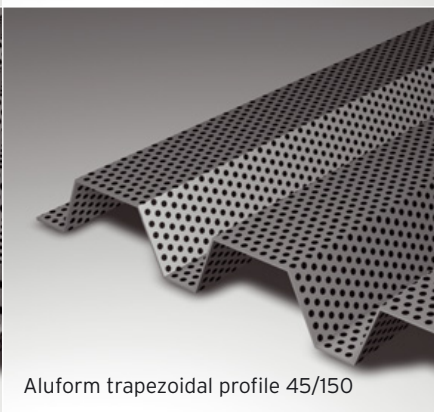
Aluform sinusoidal profile 18/76



Aluform sinusoidal profile 55/177



Aluform trapezoidal profile 29/124



Aluform trapezoidal profile 45/150

Individually design facades and rooms with light, transparency and airiness.

For individual and visually exceptional design solutions, Aluform perforated sheets can preferentially be used for interior decoration or exterior design.

With this in mind, our standard program comprises a broad selection of profile variants. In addition to Aluform corrugated profiles, trapezoidal profiles and the Siding wall panels, also special roof profiles like ALUDECK and ALUFALZ can be processed as perforated sheet profiles. With regard to the interplay of room, colouring, and profile design, perforated aluminium profiles offer a creative spectrum for an innovative architectural design.

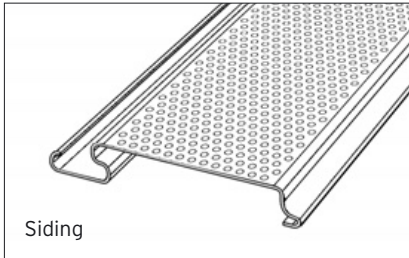
Areas of application:

- as a means of design for interior decoration and external design
- in the field of acoustics for the lowering of the noise level inside the room

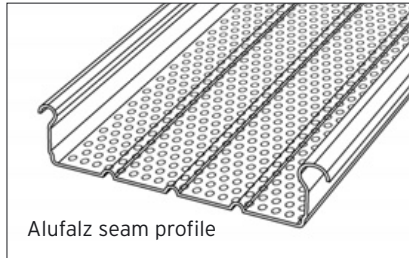
As standard, the trapezoidal and sinusoidal profiles are available with a material thickness of 0.8 mm in H 16/46 in two hole patterns:

- R_V 3 - 5 with a hole percentage of 32.7 %
- R_V 5 - 8 with a hole percentage of 35.4 %
- Other hole patterns are possible on request.

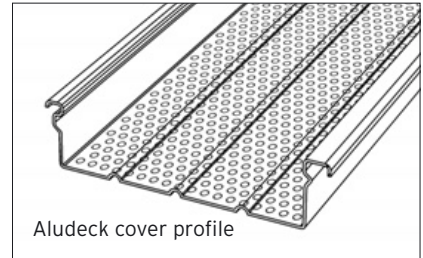
The surface of the profiles is available in mill finish smooth and in the colour silvermetallic (SP). On request, the individual surface refinement of the aluminium profiles is possible in various colours and effect coatings.



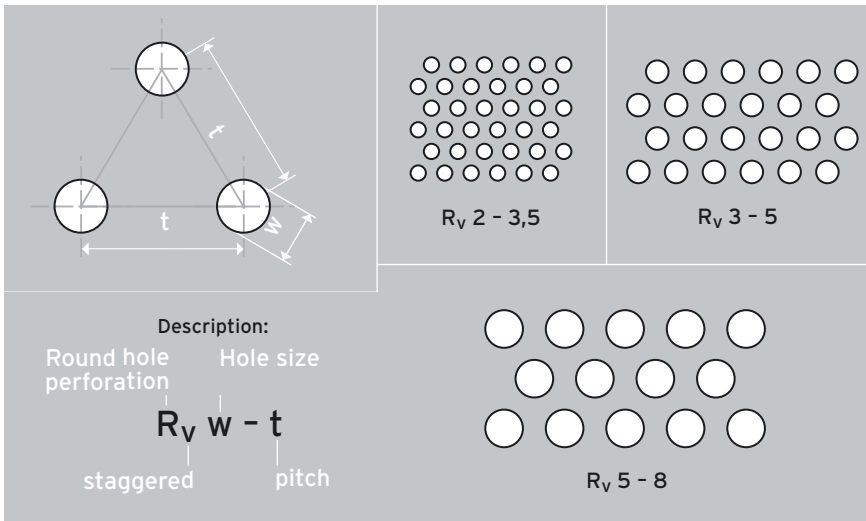
Siding



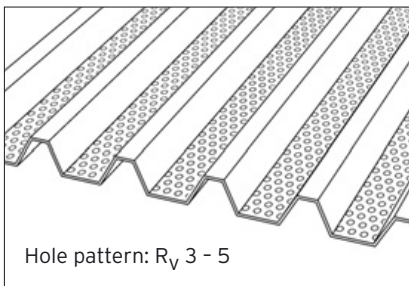
Alufalz seam profile



Aludeck cover profile



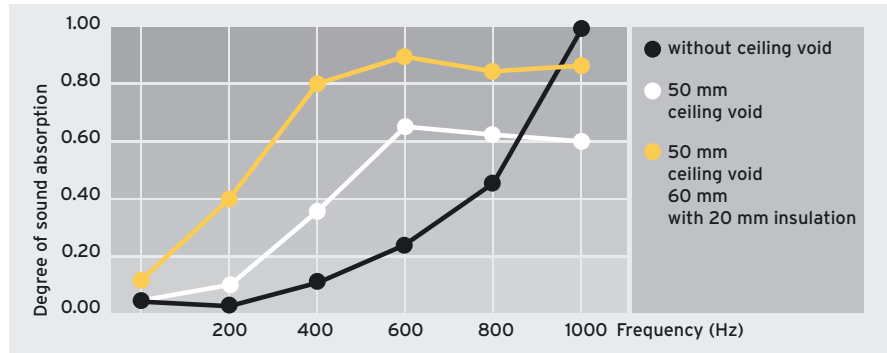
Description of the hole pattern



Hole pattern: $R_v 3 - 5$

Technical peculiarities:

- For technological reasons, the longitudinal edges of the profiles are not perforated on a narrow strip.
- The trapezoidal profile 29/124 of the sheet thickness 0.5 mm in H 16 /46 can additionally be manufactured with a strip perforation in the wide chord.
- Siding profiles are available with the hole pattern $R_v 2 - 3.5$ and $R_v 3 - 5$.
- The aluminium profiles ALUDECK and ALUFALZ are also available as perforated version. In case of both profiles, only the bottom will be perforated.



Aluminium profiles with acoustic fleece are ensuring a good sound

The Aluform acoustic fleece improves the acoustics of rooms via the absorption of sound waves. It is glued onto the rear side of the different perforated aluminium profiles in order to optimise the sound absorption of a ceiling system. The absorption degree alpha indicates how high the percentage of the absorbed sound waves is.

This degree depends on the distance between the perforated panels and

the solid ceiling, as well as on the hole percentage of the perforation. The Aluform acoustic fleece has been examined with respect to fire protection properties according to DIN 4102 and has been allocated to class B 2. In connection with the corrugated profile 18/76, the Aluform acoustic fleece has been subjected to a testing of the degree of sound absorption according to DIN EN ISO 354 and has been allocated to the sound absorption classes D and C.

Ball-impact resistant aluminium profiles prevent deformations of the interior panelling

In case of gymnasiums and multipurpose halls in which ball games are played, the resistance to ball-impacts of the interior panelling is requested. The aluminium profiles by Aluform comply with the requirements of a building which is considered to be ball-impact resistant. In case of mechanical stress caused by balls, the profiles are barely geometrically deformed.

The perforated Aluform sinusoidal profile 18/76 is optimally suited for this. With its sheet thickness of 1.2 mm and the hole pattern Rv 3 - 5 this aluminium profile has successfully been approved as ceiling lining according to DIN 18032-3.

The utilisation of this perforated aluminium profile has proved itself very well as ball-impact resistant interior panelling and, in combination with the acoustic fleece, as sound absorbing interior panelling.



Gymnasium Winzerla - Germany, Aluform corrugated profile 55/177 perforated & smooth curved, rear side with acoustic fleece

Perforated profiles made of aluminium offer various fields of application with regard to design and functionality



Ski station Planai - Austria,
Aluform sinusoidal profile 55/177 perforated



Erdgasbuffering Zuiderwending - Netherlands, Aluform standing seam profile 64/400 perforated




Ernsting's family,
Supply centre, Klieken
Aluform sinusoidal profile 55/177 perforated



Karstadt Halle - Germany,
Aluform sinusoidal profile 18/76
perforated and non-perforated



Station Vienna West - Austria
Aluform trapezoidal profile 45/150 blank smooth,
perforated

flexible building.
sustainable thinking. 



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