

ISULATION / ABSORPTION SONODAMP G100P – sandwich panel



Sound insulation & absorption	
Performance	R _w 35 dB α _w 1.00
Thickness	standard 60 and 100 mm (from 50 to 240 mm)
Dimension	panel width 1000 mm lengths up to 25.000 mm different length/width and cut-outs possible
Weight	14,7 kg/m ²

- Product description** Sonodamp is a self-supporting sound-insulating and sound- absorbing sandwich panel constructed of:
- 0,6 mm steel plate (outside) with S-lined profiling, galvanized Z275 and with a 50 µm polyurethane coating as standard, in standard colors according to RAL 9002 of RAL 7016
 - Continuously glued non-combustible stone wool cut at right angles
 - 0,6 mm perforated R3T5 steel plate (perforation degree 32,7%), galvanized Z275 and provided with a 25 µm polyester coating in standard corresponding to color RAL 9002

- Properties**
- High level of sound insulation and sound absorption
 - Excellent thermal and fire-resistant properties
 - Suitable for outdoor use
 - Easy assembly

Application Noise barriers, enclosures, cabins and interior walls, baffles

Processing

Panels can be used both vertically and horizontally
Equipped with a tongue/groove (male-female) connection system
Can be cut to size with a jigsaw (fine teeth), hand circular saw
The panels can be attached to the construction with self-drilling screws
Available with Sonodamp profiles for finishing the bottom, top and ends of the panels; and Sonodamp inner and outer corner profiles for corner installations of panels

- Version**
- Panel thickness standard 60 and 100 mm, on request: 50, 80, 120, 150, 200 and 240 mm
 - Stock L 2500, 3000 and 4000 mm in color RAL 9002 (60 and 100 mm) and RAL 7016 (100 mm)
 - Standard colors possible up to 25 meters in length
 - Width: panel width 1014,5 mm and working width 1000 mm
 - ISOPARTNER can put panels to desired length and width and with recess
 - Tolerances: +/- 2,0 mm on thickness and width, length ≤ 3000 mm is +/- 5,0 mm; length > 3000 mm is +/- 10,0 mm
 - Outer plate also available on request in microlined profiling or without profiling

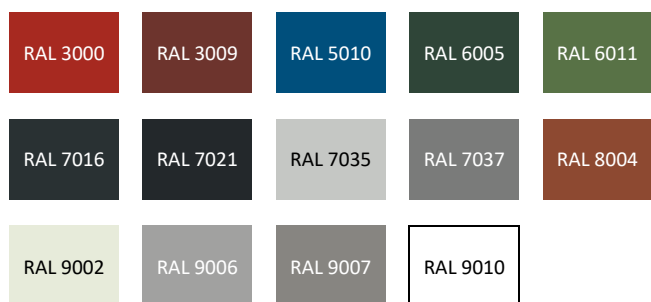
DISCLAIMER
De omschreven toepassingen en aanbevelingen zijn zo correct mogelijk weergegeven maar zijn vrijblijvend en bieden geen garanties. Bij twijfel over toepassing of verwerking zelf een test uitvoeren of contact met ons opnemen. We behouden ons het recht om zonder kennisgeving vooraf, productgegevens te wijzigen.

Performance

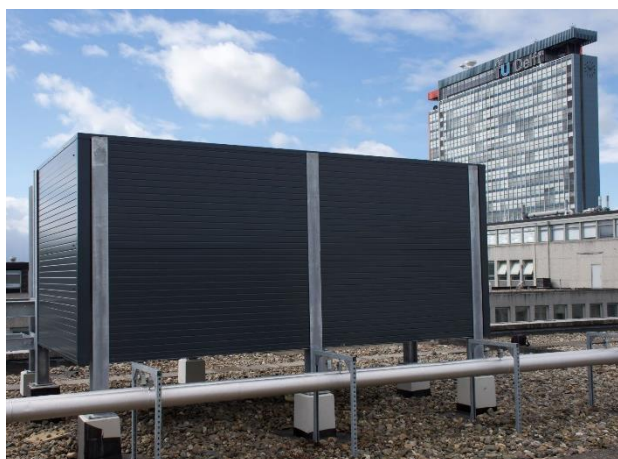
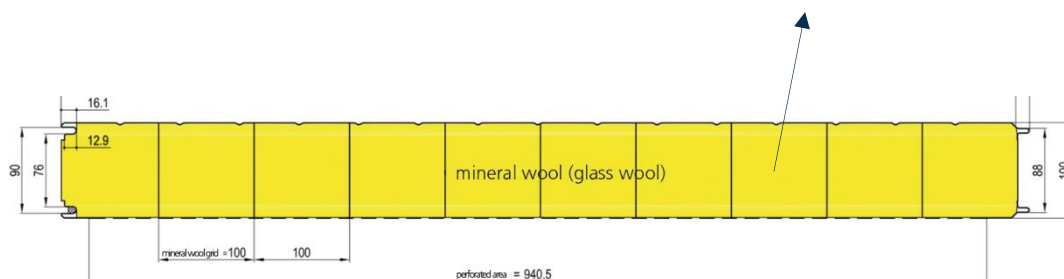
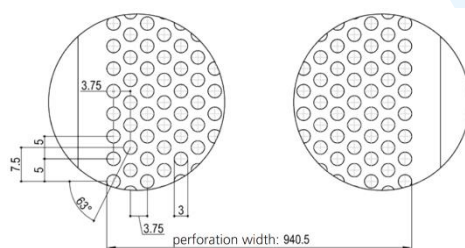
Sonodamp G100P

Frequency (Hz)	125	250	500	1000	2000	4000	
Absorption α_s	0,6	0,87	0,95	0,96	0,98	0,97	α_w 1,00 / NRC 0,95
Damping R(dB)	21,6	26,3	33,6	35,3	34,6	50,3	R_w 35,0 (C,C _{tr} ; -1,-4)

out side: standard colours **RAL 9002 / 7016** and remaining colours



perforated side: **RAL 9002** (7021 on demand)



2023 version 01