



Sound Absorber Reapor®

Reapor® is an eco-friendly sound absorber for challenging environments. The panels are hard, lightweight and fibre-free and can be used both indoors and outdoors. The unique material absorbs noise both between and within the glass granules, resulting in exceptionally high noise reduction. Reapor® is naturally resistant to both moisture and sunlight and requires no extra protection. If exposed to damp conditions, a sodium residue may appear on the surface, which can easily be washed off.

Product Characteristics

Reapor® does not contain binders; there are no VOCs to be released and no break down over time. No smoke or volatiles are released when exposed to fire or flames. With no organic substances for bacteria to live on, Reapor® does not support mould growth. Reapor® resists weather, water, UV exposure and is resistant to chlorides and potassium.

Product Applications

Reapor® can be used as sound absorber in numerous demanding applications such as tunnels, noise barriers, industries, ceilings, enclosures, garages, fire safety areas etc.

Reapor® is available in various colors, making it aesthetically adaptable and easy to integrate into diverse architectural designs.

Installation

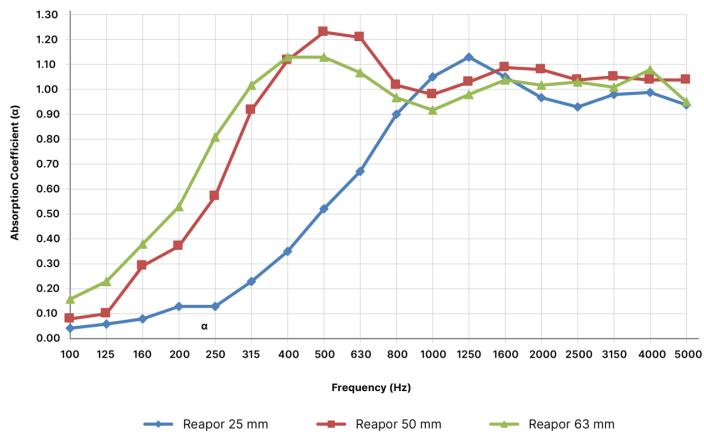
Reapor® panels can be cut and drilled using standard woodworking tools enabling easy installation. Reapor® panels are bonded into place using a special adhesive that maintains the panels' non-combustible characteristics. The adhesive provides a permanent bond between the panels and a variety of common substrates.

The REAPOR installation manual is available for download further down on this page.

Technical Specifications

REAPOR® Acoustic Performance

Measurement in reverberation room according to DIN EN ISO 354 (50 mm board thickness)



DIN EN 1793-1		DIN EN 11654	
DL _s [dB]	Group	α _w	Class
11	A3	0,95	A



Sound absorber Reapor - Technical Specifications

sound-absorber-reapor-technical-specifications.xlsx

Properties

Product	Thickness (mm)	Panel size			Density (kg/m ³)
		Length	Width	Weight	
		(mm)	(mm)	(kg)	
Reapor® 25/625625	25	625	625	≈ 2.6	270
Reapor® 25/1200625		1200		≈ 5.1	
Reapor® 50/625625	50	625		≈ 5.3	
Reapor® 50/1200625		1200		≈ 10.5	
Reapor® 63/625625	63	625		≈ 6.6	

Specification

			Test regulations
Bulk density	[kg/m ³]	260 ± 20	
Compressive strength	[N/mm ²] DIN	≥ 1,2	EN 196-1
Bending tensile strength	[N/mm ²]	≥ 0,4	DIN EN 196-1
Thermal conductivity	10tr [W/mK]	0,08	DIN 52612
Length-specific flow resistance	[kPas/m ²]	10 - 20	DIN EN 29053
Fire resistance		A1	DIN EN 13501-1

Downloads



REAPOR –
installation manual |
english



Fire behavior report
– Reapor Fire
Reaction A1

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