TECHNICAL DATA

REGUPOL COMFORT 12

Product
Impact sound insulating underlayment for various floor structures under screed beds and floating floors with a maximum traffic load ≤ 5 kN/m², CE certified as per European Technical Assessment



Material
- PUR-bonded elastomers
- Dimpled profile on the underside

Weight
3.0 kg/m²

Dimensions
Length: 9,300 mm, Width: 1,150 mm, Thickness: 12 mm

Applications
Under screed beds and floating floors for both residential and commercial use, traffic load < 5 kN/m², e. g. floor renovations, new buildings, reconstructions of apartments, commercial buildings or hotels.

Certification
European Technical Assessment ETA-17/1030

Acoustical Performance*	Standard	Result	Comment
Under cement screed:			
60 mm cement screed, **REGUPOL comfort 12**, 140 mm concrete slab	DIN EN ISO 10140-3 DIN EN ISO 717-2	$\Delta L_w \geq 29$ dB	Test report PB 4.2/16-252-5
Under RenoScreed®:			
40 mm RenoScreed®, **REGUPOL comfort 12**, 140 mm concrete slab	DIN EN ISO 10140-3 DIN EN ISO 717-2	$\Delta L_w \geq 28$ dB	Test report PB 4.2/16-252-1

*Assembly from top to bottom

Material properties	Standard	Result
Maximum traffic load		≤ 5 kN/m²
Mean dynamic stiffness value	DIN EN 29052-1	$s'_t \leq 10$ MN/m³
Compressibility	DIN EN 12431	c ≤ 2 mm

Fire behaviour	Standard	Result
Fire classification	DIN EN 13501-1	E

TECHNICAL DATA

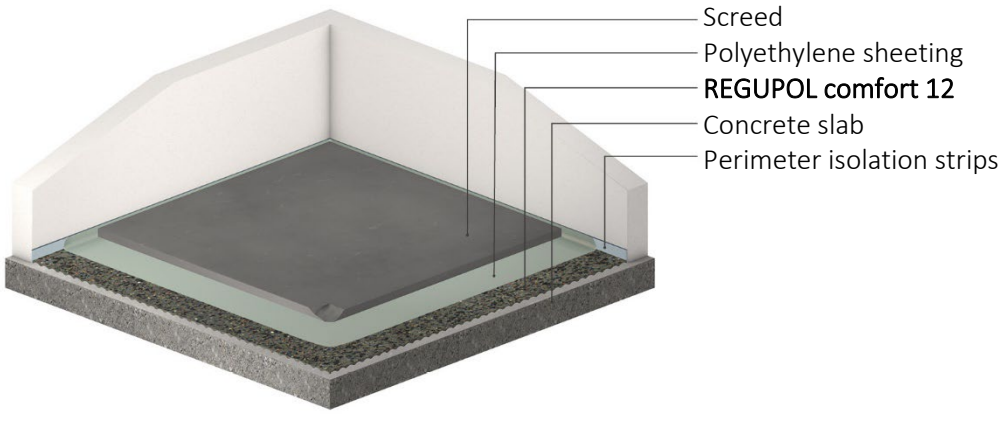
REGUPOL COMFORT 12

Thermal behaviour	Standard	Result	Comment
Thermal conductivity	DIN EN 12667	λ = 0.06 W/(mK)	
Thermal resistance	DIN EN 12667	R = 0.133 (m^2K)/W	
Temperature resistance		-20 to +60° C	
Deformation under specified compressive load and temperature conditions; Difference of relative deformations ε_1 and ε_2 of Level A: 23 ±5°C / 48 ±1 h Level B: 35 ±1°C / 48 ±1 h	DIN EN 1605	$\Delta \varepsilon \leq 5{,}0$ %	Suitable for floor heating systems

Moisture behaviour	Standard	Result	Comment
Water vapour permeability	DIN EN ISO 12572	Sd = 0.03 [m]	Diffusion equivalent air layer thickness
		μ = 3.75 [-]	Diffusion resistance factor, Material is open for diffusion
Sensitivity to moisture		To be protected from moisture during storage, transport and installation	

Health protection	Standard	Result
VOC	DIN EN 16516	compliant with EU-LCI list and German AgBB scheme; “A+” as per décret n°2011-321
Nitrosamine	DIK Method	Compliant with German Model Building Regulation
PAH	DIN EN 18287	Compliant with German Model Building Regulation

Floor Assembly



For more assemblies and test reports, please visit www.regupol.com