

TECHNICAL DATA

REGUPOL SONUS MULTI 3

formerly REGUPOL 4515



Product

Impact sound insulating underlayment with an extra smooth surface for homogenous vinyl flooring and other floor coverings.

Material

Polyurethane foam and cork elastomers

Weight

31 kg/roll – 1.55 kg/m²

Dimensions

Length: 20,000 mm, Width: 1,000 mm, Thickness: 3 mm



Applications

Under homogenous and heterogeneous sheet vinyl or vinyl planks, carpet tiles, multilayer flooring for both residential and commercial use.

Certification

German National Technical Approval Z-158.10-6

Acoustical Performance*	Standard	Result	Comment
Under vinyl planks:			
4.5 mm LVT vinyl planks, REGUPOL sonus multi 3 , 150 mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	ΔL_w 18 dB $L_{n,w}$ 59 dB IIC 51	Test report RG084 - INR210-04-01
4.5 mm LVT vinyl planks (non-bonded), REGUPOL sonus multi 3 (non-bonded), 150 mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	ΔL_w 19 dB $L_{n,w}$ 58 dB IIC 52	Test report RG081 – INR210-01-01
2 mm vinyl planks, REGUPOL sonus multi 3 , 150 mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 1997 (E) ISO 140-6 ASTM E989-89	ΔL_w 18 dB $L_{n,w}$ 58 dB IIC 52	Test report RG019 - INR153 Test Floor (a)
Under sheet vinyl:			
2 mm sheet vinyl, REGUPOL sonus multi 3 , 150 mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	ΔL_w 17 dB $L_{n,w}$ 61 dB IIC 49	Test report RG082 – INR210-08-02

*Assembly from top to bottom

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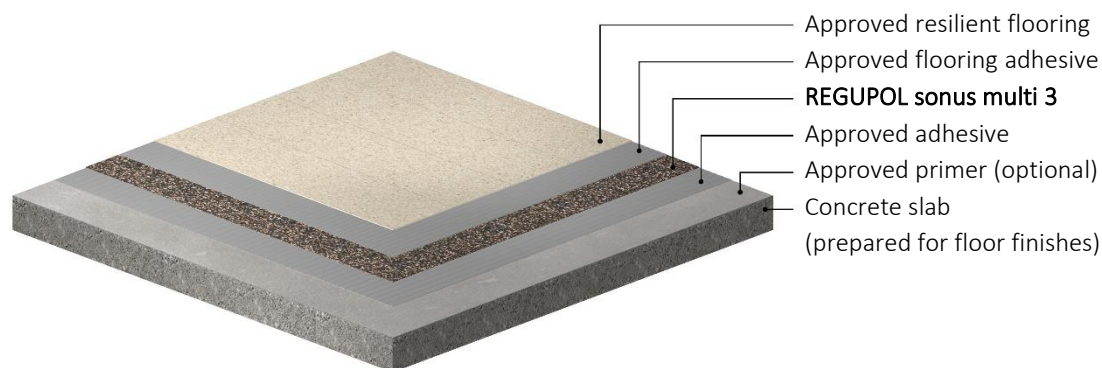
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Material properties	Standard	Result
Compressive stress-strain characteristic at 25% compression (CC25)	DIN EN ISO 3386-2	> 1200 kPa
Elongation at break	DIN EN ISO 1798	≥ 20 %
Tensile strength	DIN EN ISO 1798	≥ 0.7 N/mm ²
Thermal behaviour	Standard	Result
Thermal conductivity	DIN EN 12667	$\lambda = 0.06 \text{ W/(mK)}$
Thermal resistance	DIN EN 12667	$R = 0.05 \text{ (m}^2\text{K)/W}$
Temperature resistance		-20 to +60° C
Fire behaviour	Standard	Result
Fire classification	DIN EN 13501-1	E (B _{fl} -s1, available on request)
Health protection	Standard	Result
VOC	DIN EN 16516	compliant with EU-LCI list and German AgBB scheme; "A+" as per décret n°2011-321

Floor assembly example

Resilient flooring – Fully bonded

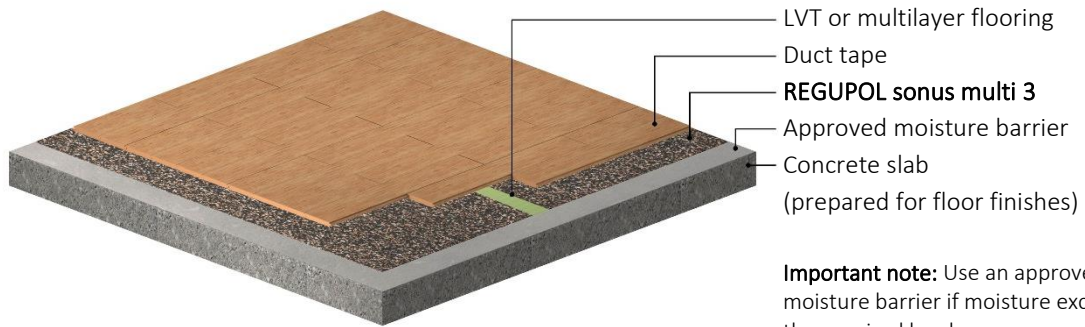


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Floor assembly example

Non-bonded LVT or multilayer modular flooring



- LVT or multilayer flooring
- Duct tape
- REGUPOL sonus multi 3**
- Approved moisture barrier
- Concrete slab
(prepared for floor finishes)

Important note: Use an approved moisture barrier if moisture exceeds the required levels.

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