Regupol® comfort

Largely moisture-, age- and deformation-resistant, permanently elastic, but protect against large volumes of water.

Material
PU-bonded elastomers

Standard delivery form
in rolls of 14.95 m² each, 13,000 x 1,150 x 8 mm

Temperature resistance
from –20 °C to +80 °C

Colour
grey, light and dark particles

Regupol® comfort, dimpled on underside

Physical Data

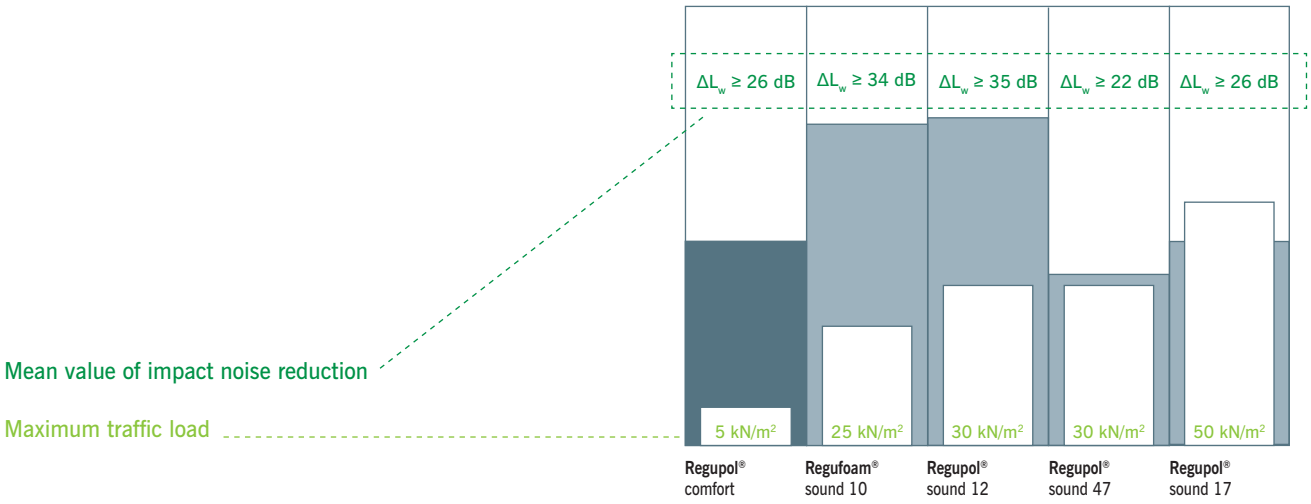
weighted impact noise reduction as per ISO 717-2
$\Delta L_w \geq 26$ dB

Mean value for dynamic rigidity as per DIN EN 29052-1
s' t ≤ 15 MN/m³

Fire classification according to DIN EN ISO 11925-2/ DIN EN 13501-1
Class E (B 2)

Maximum traffic load
up to 500 kg/m² (5 kN/m²)

Compressibility as per DIN EN 12431
c ≤ 0.8 mm



Impact Noise Reduction
Regupol® comfort as per ISO 10140

Measurement of the impact noise reduction, provided by a floor covering on a solid standard floor under test conditions

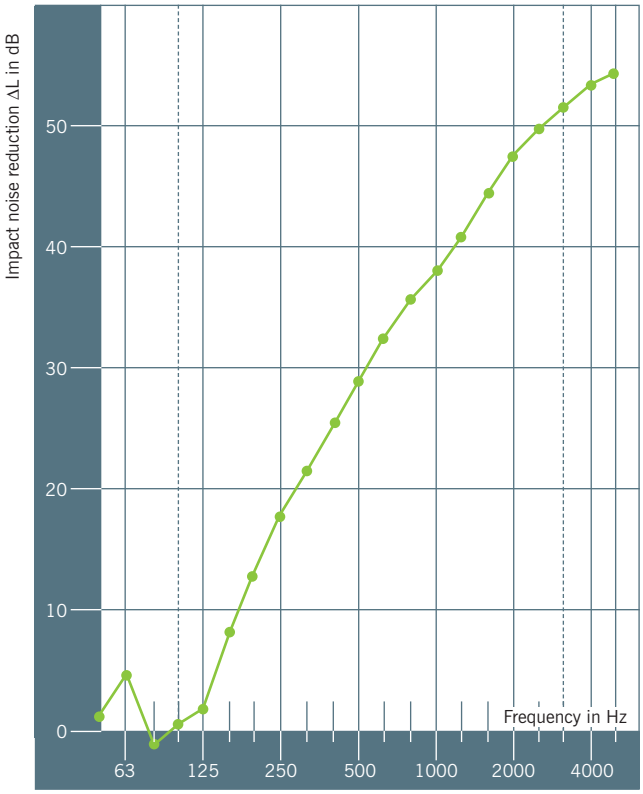
Description of the test object
- 140 mm reinforced concrete floor
- 8 mm **Regupol® comfort** screed insulation mat
- 0.20 mm PE-foil
- 90 mm screed
- total thickness 238 mm

Mass per unit area:	187.6 kg/m²
Test surface area:	4.86 x 5.06 = 24.6 m²
Volume of test rooms:	V_S = 78.5 m³, V_E = 70.7 m³
Air temperature in test rooms:	19 °C
Water curing:	> 33 days

Impact noise reduction improvement as per ISO 717-2

$\Delta L_w \geq 26$ dB $C_{I,\Delta}$ = -14 dB $C_{I,r}$ = 3 dB

The results refer only to the tested structure.



Frequency f Hz	$L_{n,0}$ raw ceiling ⅓ octave dB	ΔL ⅓ octave dB
100	65.6	1.0
125	68.2	2.2
160	65.2	8.1
200	65.6	12.8
250	66.9	17.8
315	67.2	21.3
400	67.6	25.3
500	67.7	28.9
630	68.0	32.4
800	68.5	35.7
1,000	68.6	38.0
1,250	69.1	40.8
1,600	71.1	44.4
2,000	70.3	47.7
2,500	70.3	49.8
3,150	70.6	51.8

Qualification test for DIN 4109 on 07.01.2014
Publication of the results is authorised by MFPA Leipzig GmbH
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We will be pleased to send you the complete test report no. PB 4.2/ 13-430-1 upon request.