TECHNICAL DATA *Sylcer*

Sound insulation beneath ceramic or stone floor tiles

Product description and Technical Specification

3 mm acoustic insulation rolls, made of SBR (Stirene Butadiene Rubber) granules rubber and EPDM (Ethylene Propylene Diene Monomer) granules rubber compacted using a polyurethane binder in a hot process. The colour of the product is black and it is supplied in rolls 20 m lenght, 1.00 m width. Density is 820 kg/m³.

- minimal thickness
- easy to install
- direct application over existing floorings

PHYSICAL CHARACTERISTICS	Standard	Unit	Sylcer 3	Tolerance
Nominal thickness [1]	EN 12431	mm	**3**	± 0.3
Length		m	**20**	± 1.5%
Width		m	**1.00**	± 1.5%
Density		kg/m³	**820**	± 5%
Overall Superficial mass		kg/m²	**2.46**	± 5%
Colour			**black/green**	

ACOUSTIC CHARACTERISTICS	Standard	Unit	Sylcer 3	Tolerance
Dynamic stiffness (s')	EN 29052/1	MN/m³	**460**	± 20
Dynamic stiffness for dry application[2]	EN 29052/1	MN/m³	**180**	± 20
Improvement of impact insulation class (Δ IIC)	ASTM E 2179-03	dB	**21**	
Impact sound reduction improvement (ΔLw) - by laboratory test	EN ISO 10140	dB	**17**	

TECHNICAL CHARACTERISTICS	Standard	Unit	Sylcer 3	Tolerance
Compression at strain 10%	EN 826	kPa	**376**	± 5%
Compression strain (dL - 250 Pa)	EN 12431	mm	**3.3**	
Compression strain (dF - 2000 Pa)	EN 12431	mm	**3.2**	
Compression strain (dB - 50000 → 2000 Pa)	EN 12431	mm	**3.1**	
Hardness	DIN 53505	Shore A	**55**	± 5
Thermal conductivity coefficient (λ)	EN 12667	W/mK	**0.12**	
Resistance factor to the spread of water vapour (μ)	ISO 12572		**14**	
Fire grade	DIN 4102		**B2**	

PACKING AND STORING

Each pallet is wrapped and protected with waterproof polythene film. Inside storage is recommended to avoid possible wet storing

[1] Product thickness measured according to norm EN 12431 equal to the value of "Compression strain (dB - 50000 → 2000 Pa)"

[2] Measurement executed in deviation from norm EN 29052-1, without applying plaster on the test piece

[3] Test report: concrete slab 14 cm, screed in sand and cement 5 cm, SylCer glue on screed, ceramic tiles 1 cm glue on SylCer

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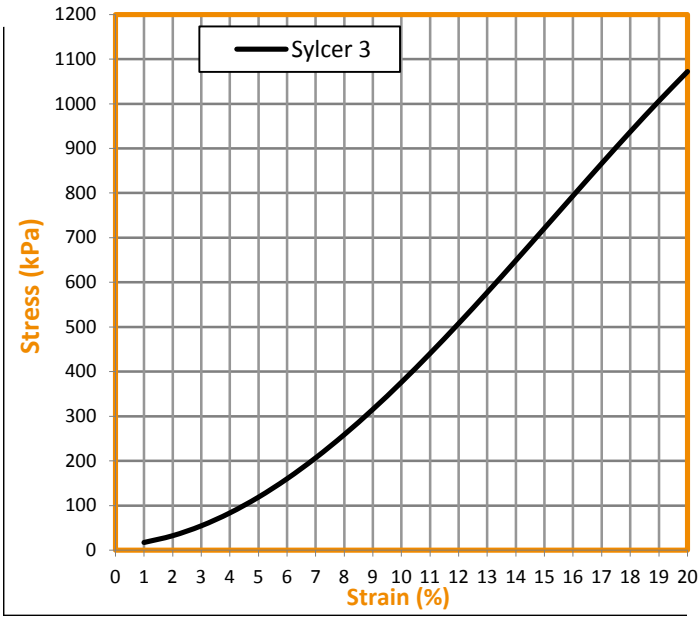
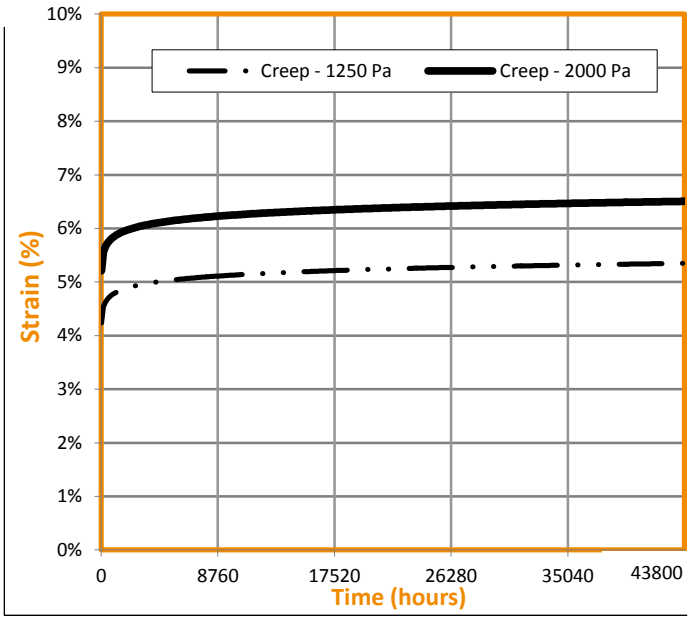
Determination of compression - EN 826 (4)



Creep test - EN 1606 (4)



(4) The initial thickness of the product during testing is equal to the value of pag. 1 "Compression strain (dL - 250 Pa)"; use this value to evaluate the crush rate of the material according to the specified norm

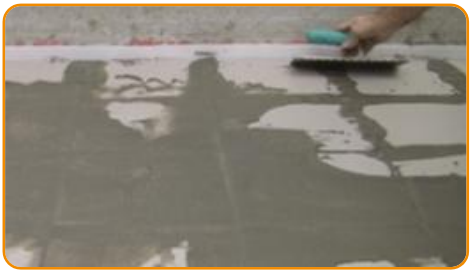
INSTALLATION INSTRUCTIONS

Fix the Profyle Flat 5 around the bottom of the surrounding walls

Spread a thin layer of adhesive onto the floor, then glue the Sylcer

Tape all the Sylcer jointing borders with the Stik tape

Spread the bi-component concrete glue, layer the ceramic tiles over the adhesive glue



Apply the grouting glue

When the grouting starts to solidify the ceramic clean can be done

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