

Funcosil[®] SILICONE BRUSH-ON RENDER



Article No. 0560

Cementitiously filled, water-dilutable, siloxane emulsion paint.

Product characteristic data in the packaged state:

Binder:	silicone resin emulsion	
Pigments:	light-proof, alkali resistant oxide pigments	
Extender:	cementitious fillers	
Density:	1.50 g/cm ³	
Viscosity (20°C):	approx. 4000 mPa·s	
Thinning agent:	water	
Flash point:	non-combustible	
Colours:	Basic colour:	white
	Tinting is only possible with Funcosil LA Silicone Paint using a max. of 10% by mass.	

Product characteristic data of the coating:

Water vapour permeability according to DIN 52615:	$S_d \leq 0.05$ m corresponds to a dry layer thickness of 200 μ
Water absorbency coefficient according to DIN 52617 E:	$w = \leq 0.1$ kg/m ² * h ^{0.5} at an application rate of 400 g/m ²
Degree of gloss:	matt, mineral character
Surface structure:	rough, adhesive
Weathering resistance:	GTO after 1100 hours (QUV-Tester) - no swelling - no chalking - UV-light proof
Fire rating according to DIN 4102:	B 1

Range of use:

Because of its characteristic properties, Funcosil Silicone Brush-On Render is suitable for water repelling, highly water vapour permeable, protective coatings on cementitious building materials, especially when used in combination with Funcosil Impregnation Primer. It is also used as a primer on silicate, silicone and matt, load-bearing dispersion paint coatings. It can also be used as a filling intermediate coating for levelling differing roughness on smooth render surfaces (so-called render pockets). Also as a primer with good roughness under Funcosil Silicone Decorative Render. Please observe: VOB [German Contract Procedure in the Building Industry], part C, DIN 18363, paragraph 2 and 3, as well as BFS [German Federal Committee for Paint and the

Protection of Material Assets) Codes of Practice for the respective work areas.

This product is not suitable for working over plastic, thermoplastic and elastic coating systems. These systems must be completely removed beforehand.

Substrates:

Substrates must be load-bearing capable, free of soiling, micro-organism infestation (alga, moss, etc.), cracks and substances with a parting effect.

Working Instructions:

Priming:

a) Prime load-bearing capable, untreated, cementitious substrates with Funcosil Impregnation Primer. Application rate: 0.2 - 0.4 l/m², dependent on the absorbency of the substrate.

b) Treat weathered, silicate paint coatings, sanding, untreated, cementitious substrates with Funcosil SV or, as an alternative, with Funcosil Hydro Deep Primer. Application rate: 0.250 l/m² and more, dependent on the condition of the substrate, for one or multiple applications.

c) Load-bearing, weathered, matt dispersion and silicone paints as well as synthetic resin renders and bonded heat insulation systems should not be primed if possible.

Filling: If unevenness must be levelled, fill with Funcosil Silicone Filler.

Intermediate coating:

To even the structure of the substrate or to increase roughness on smooth substrates (especially underneath Funcosil Silicone Decorative Render), use Funcosil Silicone Brush-On Render. Application rate: approx. 0.3 kg/m² for smooth substrates and approx. 0.4 kg/m² for structured coatings.

Finishing coat:

a) Finely structured surfaces

On structured intermediate coatings made of Funcosil Silicone Brush-On Render, apply one to two finishing coats of Funcosil LA Silicone Paint in the desired colour.

Application rate: approx. 0.2 l/m² per coat.

b) Decorative Render surfaces

Apply Funcosil Silicone Decorative Render to the rough intermediate coating according to trade guidelines and standards.

Application rate: approx. 2.0 - 2.5 kg/m²

Technical Information Sheet

Notice:

A drying time of at least 5-6 hours between individual working operations should be observed, dependent on ambient conditions. Do not use in strong, direct sunlight, rain or at object temperatures below +5°C or above +25°C. Stir well before using!!

Tools and Cleaning:

Brush, lamb-skin roller.
Clean tools and stains or splashes while fresh with water.

Packaging, application rate and storing:

Packaging: 5 kg and 20 kg plastic containers

Application rate: The amounts required vary and depend on the absorbency and structure of the substrate. Exact rates must be determined on a trial area. Larger, continuous surfaces should be coated at one time, wet-on-wet, to avoid streaks/seams.

Shelf-life: At least 12 months stored frost-free in original, unopened containers.

Safety, ecology, disposal:

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques. Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet.

Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid.

With the publication of this Technical Information Sheet all previous editions are no longer valid.

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