

Product Information

BYGGSILIKON SUPER 583

Silicone sealing for most building materials

AREA OF USAGE

Sealing of every type of open joints exposed to larger movements and/or mechanical wear or damage. Typical areas of usage are facade elements in shopping malls, schools, meeting places and other public buildings.

Top sealing around all types of insulating windows. Sealing of steel joints, e.g. in industrial and storage areas, cold storages, plumbing etc. As sealing compound in container construction, vehicle bodies etc. and the installation of pipes, machines and all types of device systems.

PROPERTIES

Good adhesion without primer to most building materials, e.g. glass, stone, concrete, steel, metal, wood. Excellent absorption of movements, $\pm 25\%$ of the original joint width. Resistant to mechanical damage and can not be removed with fingers. Good ageing qualities. Not diffusion proof, i.e. will let out moisture. Stands temperature between -50°C and $+120^{\circ}\text{C}$. Easy to work with and can be applied in temperatures down to -20°C .

JOB SPECIFICATION

The surfaces must be clean and free from grease, oil and loose particles. Line with polyethylene or a rubber list with closed cells. The list must be 3-4 mm thicker than the joint width. In moving joints the sealant may not stick to the material behind. The string of paste shall be concave, i.e. thinner in the middle than the sides and formed according to HUS-AMA (Sweden).

The sealant should be glazed immediately after being applied using a moistened glazing-stick, rubber spatula or palette-knife. The tools are cleaned with white spirit. If not hardened compound is splashed or smeared into the eyes then rinse with abundantly flowing water and seek medical attention without delay.

TEKNISKA DATA

TYPE OF MATERIAL	Silicone rubber
HARDENING	Neutral
CONSISTENCY	Soft compound
SOLVENT	None
DENSITY	Approx. 1.3(coloured), 1.03(transparent)
STORAGE	1 year in well sealed packaging
COLOURS	Grey, white, brown, black and transparent
PACKAGING	0,3 l.cartridge, 0,55 l.aluminium bag, 20 l.bucket
HARDENING TIME	Sticky-free after approx 1 hr and after approx. 24 hrs at $+25^{\circ}\text{C}$ a 5 mm thick skin have been formed.
HARDNESS (DIN53505)	15-20 ⁰ Shore A.
TENSILE STRENGTH (DIN53504)	7 kp/sqcm
E-MODUL	1,4 kp/sqcm (i.e. low stretch resistance)
BREAKING STRECH(DIN53504)	550%
MAXIMUM JOINT MOVEMENT	$\pm 25\%$

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TEMPERATURE PERMANENCE	- 50 - +120°C (continuously)
AGEING PROPERTIES	Not influenced by ozone or UV light. Colour stable
CONTRACTION	No cracking or contraction
COATABLE	No
CHEMICAL RESISTANCE	Good. If in doubt please ask Liwell Kemi AB
WATER PERMEABILITY	2.8 according to DIN531122(gr/sqcm and 24hrs, with 10 mm thickness)
TEMPERATURE RANGE	More than +500°C
ESTIMATED LIFETIME	At the right work done at least 10 years.
PROTECTION	The product is not classified as flammable or hazardous. For further information see Safety Datasheet.

The technical data we present as well as our directions and recommendations are all based on a large number of tests and our experience. They are intended as guidance for the user to find the most suitable job method and to obtain an optimal result. Since the job conditions for the user are out of our control we can not accept responsibility of any kind for the results obtained when the product is used.