

Technical Datasheets

COLORSIL

Technical Description

Colorsil® is a one-part, neutral curing, low modulus alkoxy silicone sealant, which cures at room temperature under the action of atmospheric moisture. It is especially designed for Silestone® colors.

Colorsil® contains fungicides that protect silicone against the growth of fungi and bacteria. The product can be used in domestic and sanitary environments.

Features

- Low modulus, high elasticity
- Good adhesion without primer on a wide variety of substrates.
- Does not corrode metals and it has very low odor.
- Resistant to UV radiation, weathering and aging
- Suitable for sanitary applications

Certifications

Colorsil® meets the following specifications:

- ISO 11600-F&G-25LM
- CE marking:
EN 15651-1 F-EXT-INT-CC
EN 15651-2 G-CC
EN 15651-3 XS1

Environmental Regulations

- EC1+ class, according to German VOC legislation.
- Complies with LEED 2009 IEQ credit 4.1 (adhesives and sealants)

Applications:

- Colorsil® is especially formulated for sealing Silestone®
- Colorsil® can be used for sealing joints in wet environments: such as sinks, shower trays, bathtubs, kitchen countertops, etc.
- Colorsil® offers good adhesion to most materials used in construction and it is suitable for sealing connection and expansion joints.



Technical Properties

Base	ALKOXY SILICONE
Cure system	Humidity
Application temperature	+5 °C y +40 °C.
Application rate,	< 30 g/min 3 mm/ 2 bar
Density	1.0 – 1.03 g/cm ³ ISO 1183
Hardness (Shore A)	24 ± 3 ISO 868
Modulus 100 %	> 0.35 N/mm ² ISO 8339
Tensile strength	> 0.6 N/mm ² ISO 8339
Elongation at break	> 300 % ISO 8339
Joint movement capability	± 25 % ISO 11600
Elastic recovery	> 90 % ISO 7398
Sag, slump	none
Skin forming time*	< 15 min
Tack free time*	< 30 min

* Depending on moisture and temperature conditions.

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Surface preparation

Ensure that surfaces to be sealed are clean, dry and free from frost. Clean all joints of release agents, water repellents, dust, dirt, old sealants and other contaminants which could impair adhesion. Non-porous surfaces should be cleaned and degreased by wiping with a suitable solvent before application of sealant.

Packaging and colours:

COLORSIL is supplied in 280 ml cartridges packed in boxes of 25. COLORSIL is available in a wide variety of colours.

Storage:

When stored at or below 30°C in the original unopened cartridges, COLORSIL has a usable life of 12 months.

Limitations

Colorsil® silicone sealant can't be painted.

Colorsil® silicone sealant must not be used for structural glazing bonding.

Colorsil® is not recommended for sealing Aof aquaria and submerged joints.

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Do not use Colorsil® silicone sealant on bituminous substrates, substrates based on natural rubber, chloroprene or EPDM or on building materials which might bleed oils, plasticisers or solvents.

Not expose to thermal, mechanical or chemical influences, before his complete vulcanization.

Security:

Use in well ventilated areas avoiding contact with skin and eyes. Keep out of the reach of children.

Product safety information is not included. The safety data sheet is available upon request. Before using the product, read the product safety data sheet and the cartridge label.

Approximate performance by cartridge in linear meters.

Joint depth mm	Joint Width mm				
	6	8	10	12	15
4	11.7	8.8	7	5.9	4.7
8	5.9	4.4	3.5	2.9	2.3
10	4.7	3.5	2.8	2.3	1.9
12	3.9	2.9	2.3	2	1.6
15	3.1	2.3	1.9	1.6	1.3

Limited warranty information -please read carefully

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customers' tests to ensure that products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

* Depending on moisture and temperature conditions.