CS 42

»MARBLE JOINT SILICONE«

Pure neutral silicone sealant (alkoxy type) with fungicide for sealing natural substrates such as marble

CHARACTERISTICS

- Resistance to fungal growth
- Non-staining and non-bleeding; no contamination of joint edges through plasticizers
- Can be used on substrates such as marble, granite, sandstone, quartzite, no staining of joint edges
- Can be used with aqueous or solvent-based coating compounds, no plasticizer migration
- Rapid crosslinking; quickly becomes tack-free
- Primerless adhesion to most materials
- Non-corrosive to metals
- Suitable for alkaline substrates such as concrete, mortar, fibrous concrete
- Smooth and glossy appearance
- Excellent UV-, weather and ageing resistance
- Waterproof
- Good resistance against conventional cleaning products and a lot of chemicals
- Recommend use with CE 42 Trass Express grout

SCOPE OF USE

Ceresit CS 42 can be used for

- Natural substrates such as marble, granite, sandstone and quartzite
- Sealing joints in interior and exterior facades
- Sanitary applications
- Cladding of natural stone or other materials

SUBSTRATE PREPARATION

All surfaces must be clean and dry, free from any dust and grease or anything which may be detrimental to correct adhesion of the sealant.
Residues of old sealant or other materials as well as mould on the substrate must be removed completely (if necessary, use a silicone remover).
Degreasing is performed using a pad soaked in solvent (alcohol or white spirit) followed by wiping with a clean cloth.

Dust should be removed using oil-free compressed air.
To get best sealing results it is recommended to mask edges of the joints with a tape before application of the sealant mass.

APPLICATION

Ceresit CS 42 is supplied ready-to-use and can be applied from the original packaging with no special pre-treatment.

JOINT DIMENSIONS

The movement capability of the sealant as well as local regulations must be considered. In general, the joint width must be > 10 mm and < 35 mm and the joint width should be twice the depth.

Recommended standard dimensions for exterior facade elements (acc. DIN 18540):

design joint width	15 mm	20 mm	25 mm	30 mm	

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minimum joint width	10 mm	15 mm	20 mm	25 mm	30 mm
joint depth	8 mm	10 mm	12 mm	15 mm	15 mm

Recommended minimum joint width for joints around windows and exterior doors: 10 mm.

In case of rectangular sanitary joints, it is necessary to maintain a minimal depth of 5 mm.

In case of triangular joints, both contact areas should be minimum 5 mm wide.

PRIMING
Ceresit CS 42 does not require a primer on most common substrates. Except in the case of immersion and especially on porous substrates the application of a specific primer is recommended.

SEALANT APPLICATION
Once a seal back-up material has been put in place (closed-cell polyethylene foam or open-cell polyurethane foam), the sealant should be applied ensuring that the seal is completely filled. Smoothing off the seal ensures good contact between the sealant and the bonding surfaces. Directly after application, spray the joint with a mild detergent solution (soapy water) and smooth off with an appropriate tool. Remove any tape immediately before surface skin is formed. Smooth over any proud sealant edges immediately.

CLEANING TOOLS
Areas soiled with fresh sealant may be cleaned with a dry pad or a pad soaked in a solvent. Any cured sealant can be removed by scraping (e. g. using a razor blade) or by using a special silicone remover product.

PLEASE NOTE

The joint must be cleaned and maintained regularly. Take care of a good and regular air circulation in the room where the sealant is applied.
Curing speed is depending on temperature, air humidity and on the dimensions of the joint. Low temperatures, low air humidity or big joint dimensions need longer curing speeds.

E8510 seals must not be over-painted (poor covering and adhesion of the paint). Before using E8510 on painted substrates, paint has to be completely dry and cured. Prior compatibility tests are recommended, considering the variety of paints that exist. For any applications on sensitive surfaces carry out preliminary testing to check compatibility with the sealant.

Ceresit CS 42 is not recommended for

- joints that are in direct food contact,
- structural glazing applications,
- swimming pool joints, for aquarium joints or for applications under water,
- on materials which can exude certain components over time (butyl sealant, EPDM rubbers, polychloroprene, etc.). Discoloration or reduction of adhesion properties could take place,
- applications on PMMA (Plexiglass®), PTFE (Teflon®), polyethylene and polypropylene.

STORAGE

Store Ceresit CS 42 in a dry place between 5 °C and 25 °C.

Shelf life is 15 months in the original packaging after date of manufacture (the expiry date is shown on the packaging).

Product comes in PE-cartridges of 300 ml.

OTHER INFORMATION

Before using the product please see related Material Safety Data Sheet that is available on request. Should you need support or advice, please consult our advisory service for architects and craftsmen on the **contact information** you will find on **the local Ceresit website.**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.

TECHNICAL DATA

Before curing

Type of silicone	Alkoxy
Appearance	Paste
Density (ISO 2811-1)	~1,02 g/ml
Resistance to flow (ISO 7390)	~ 0 mm

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Curing	
Skin formation time (+23 °C / 50% RH)	~ 15 min.
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm)	~ 2,5 mm / day
Application temperature	+ 5 to + 40°C
After curing	
Shore A hardness (ISO 868)	~ 20
Movement capability (ISO 11600)	25%
Max. joint width	30 mm
Change of volume (ISO 10563)	~ 6%
Temperature Resistance	- 50 to + 120°C
Mechanical properties	
Elastic recovery (ISO 7389-A)	~ 75%
Modulus at 100% elongation (ISO 8339-A)	~ 0,35 N/mm²
Elongation at break (ISO 8339-A)	~ 250%

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