



CERESIT CS16

Neutral Silicone

Packaging: 300 ml cartridge

CERESIT CS16 Neutral Silicone is a one-component, neutral curing low-modulus silicone sealant with excellent adhesion on different surfaces like glass, tiles, ceramics, enamel, metals (aluminium, zinc, copper etc), impregnated, varnished or painted wood, plastics (PVC, epoxides, polyester, polyacrylate), and alkaline substrates (concrete, mortar)]. It features excellent tooling characteristics for professional use. Excellent weatherability.

CHARACTERISTIC

- **Good primerless adhesion on many substrates**
- **Low odour during vulcanisation**
- **Non-corrosive to metals**
- **Rapid crosslinking – quickly becomes tack-free**
- **Resistant to moisture and moulding**
- **Compatible with water-based and solvent-based coatings: no plasticizer migration**
- **Resistant to ozone and UV-radiation**

APPLICATIONS

- **Sealing of connecting and expansion joints in the building industry**
- **Sealing of joints exposed to high levels of moisture e.g. sanitary field and bathrooms**
- **Sealing of joints between glazing and supporting structure**
- **Industrial applications as sealant in the automotive and shipbuilding industries**
- **As sealant in the electrical and electronics industries**
- **Mirror bonding**

STABILITY

The product quality is preserved unchanged for 18 months after the date of production if stored in a cool (between +5°C and +30 °C), dry place in unopened cartridges.

APPLICATION

The application temperature of the silicone must be at least +20°C. It is recommended to perform jointing at temperatures between +5°C and +40°C. At temperatures lower than +5°C, jointing can only be carried out if the joint faces are free of condensation, snow and ice. Surfaces to be filled must be clean and dry. Especially greasy surfaces must be cleaned with acetone or CERESIT CLEANER. White spirit can be used for cleaning metal surfaces. If the joint is filled with old sealant, which could make the adhesion poor, the old filling has to be completely removed and the surfaces cleaned.

PRIMER: no primer required for non-porous surfaces

JOINTING

Cut the cartridge tip and screw the nozzle onto the cartridge. The tip of the nozzle should be cut off aslant (at about 45 degrees) according to the joint width. Place the cartridge in the silicone applicator. Compress the filling tightly in the joint. Special consideration should be given to the adhesion of edges. Smooth the silicone with a wet piece of wood or jointer. The silicone surface will not adhere after about 15 minutes. It's not recommended to overcoat CERESIT CS16 Neutral Silicone, because paint will not stick to the surface of the silicone as a result of its elasticity. Tools and stained surfaces can be cleaned with white spirits before the filling has completely vulcanised.

JOINT SIZE: min width 6 mm / max width 30 mm / min depth 2 mm / **recommendation:** for joints between 6 – 12 mm wide a seal depth 6 mm

CLEANING: with white spirit immediately after use.

RESTRICTIONS ON USE

CERESIT CS16 Neutral Silicone should not be used:

- For construction or glazing of fish tanks and aquariums – contains fungicides
- On natural stones – they may be stained in contact with sealant
- In contact with some organic elastomers (neoprene) – sealant may be discoloured

SAFETY

During vulcanisation methanol is released. These vapours should not to be inhaled for long periods or in high concentrations. The workplace should therefore be well ventilated. Should unvulcanised silicone rubber come into contact with eyes or mucous membranes, the affected area must be rinsed thoroughly with water, as irritation will otherwise be caused. Vulcanised silicone rubber can be handled without any risk to health.

TECHNICAL DATA

UNVULCANISED RUBBER

System	alcoxy
Density (ISO 1183)	1,01-1,03 g/cm ³
Application temperature	+5 °C ... +40 °C
Extrusion rate	550 g/min
Skin-forming time (23 °C, 50 % RH)	max 25 min
Vulcanisation rate (23 °C, 50 % RH)	1-2 mm/24h

VULCANISED RUBBER

Temperature resistance	-40 °C ... +100 °C (temperatures higher than 120°C can affect the colour and elastic properties)
Hardness (Shore A, ISO 868)	18
Modulus at 100 % elongation	0,32 N/mm ²
Ultimate elongation	200 %
Movement capability	20 %

ESTIMATED CONSUMPTION

Number of linear meters per 300 ml cartridge

Sealant thickness (mm)	Joint width (mm)							
	3	4	6	8	10	12	15	20
4	25	18	13	10	7	6	5	3,5
5	20	15	10	7	6	5	4	3
6	17	13	8	6	5	4	3,25	2,25
8	13	10	6	3	4	3	2,4	1,75
10	10	8	5	4	3	2	2	1,5