



CERESIT CS23

Glass & Aquarium

Packaging: 300 ml cartridge

CERESIT CS23 Glass & Aquarium is a one-part moisture curing silicone sealant acetic system suitable for use across a broad range of applications. It combines excellent resistance to aging, shrinkage, cracking and discoloring. It does not contain solvent.

CHARACTERISTIC

- **Excellent adhesion on most materials**
- **Specific smell during vulcanisation**
- **Resistant to ozone, ultra-violet radiation and temperature extremes**
- **High strength**

APPLICATIONS

- **Glazing on aluminium frames**
- **Building and construction joints**
- **Sealing of windows and doors**
- **General glazing jobs**
- **Sealing aquariums**
- **It offers good adhesion to a variety of non-porous substrates such as glass, glazed ceramic tiles, aluminium and metal.**

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 CS23, 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 CS23 should not be used:

- for porous substrates such as concrete, stone or marble.
- Do not use on bituminous substrates, substrates based on natural rubber, chloroprene or EPDM, or on building materials, which might bleed oils, plasticizer or solvents. Do not use in a totally confined space because the sealant requires atmospheric moisture to cure.
- Because acetic acid is released during curing, it can corrode mirror silver and sensitive metals such as copper, brass and lead. It is not recommended for use on submerged joints or in joints where physical abuse or abrasion are likely to occur.
- Is not suitable for food contact applications.

SAFETY

The acetic acid vapours emitted during solidification can cause irritation of the respiratory system, if inhaled in large quantities or over a prolonged period of time. Hence work in a well-ventilated area or use protective mask. 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	acetoxxy
Density (ISO 1183)	1,01 -1,02 g/cm ³
Application temperature	+5 °C ... +40 °C
Extrusion rate	200 g/min
Skin-forming time (23 °C, 50 % RH)	max 25 min
Vulcanisation rate (23 °C, 50 % RH)	3 mm/24h

VULCANISED RUBBER

Temperature resistance	-40 °C ... +150 °C
Hardness (Shore A, ISO 868)	22
Modulus at 100 % elongation	0,45 Mpa
Elongation at break	170 %
Tensile strength	0,59 MPa

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