

Silcoflex 595

One-component, low modulus, neutral cross-linking silicone sealant (oxime) for interior and exterior applications

DESCRIPTION

Silcoflex 595 is a one-part, neutral cross-linking, low modulus silicone sealant. It cures at room temperature under the influence of atmospheric moisture to give a permanently flexible silicone rubber.

Certified and tested according to:

EN 15651 – 1: Type F - EXT - INT - CC

EN 15651 – 2: Type G - CC

EN 15651 – 3: Type S1

AREAS OF APPLICATION

The product has exceptional workability characteristics, adhesion to various substrates and allows the creation of elastic seals for perimeter finishes, glazing and construction applications in high humidity areas, such as bathrooms. Sealing joints on wooden, metal and plastic windows and doors. Sealing joints on walls, facades and metal constructions. Suitable for sealing glass windows. Suitable for joints in bathroom areas.

FEATURES

- Rapid crosslinking, short skin time
- Primerless adhesion to most materials
- Non-corrosive to metals and mirrors
- Suitable for alkaline substrates such as concrete, mortar, fibrous cement
- Contains fungicides, suitable for use in sanitary areas
- Excellent weathering, ageing and UV resistance
- Flexible at low (-40°C) and high temperatures (+220°C)

TECHNICAL DATA

Appearance	Thixotropic paste, non-sagging
Chemical nature	Silicone, oxime curing
Curing Mechanism	Moisture-curing
Color	Transparent
Curing through volume [mm] (NPT Method 07) (24h - 23°C and 50% RH)	ca. 3
Density [g/cm ³] (NPT method 06) (23°C and 50% RH)	ca. 0.96
Hardness Shore A (ISO 868)	ca. 20
Skin time [min] (NPT Method 17) (23°C and 50% RH)	ca. 10
Elastic modulus at 100% [N/mm ²] (ISO 8339)	< 0.4
Tensile strength [N/mm ²] (ISO 527-2)	ca. 1.3
Elongation at break [%] (ISO 527-2)	> 500
Joint movement capability (ASTM C920)	±12.5 % of joint width
Application temperature [°C]	From +5 to +40
Temperature Resistance [°C]	From -40 to +220

APPLICATION

The affected must be dry and clean; in particular, to remove grease or grease it is possible to use non-aggressive solvents (e.g. Isopropyl Alcohol). In the presence of adhesion problems on particular surfaces, it is advisable to consult the manufacturer for the choice of a specific primer.

CLEANING OF EQUIPMENT AND PERSONAL PROTECTIVE MEASURES

Clean the tools used with mineral spirits. Once hardened the product can only be removed mechanically. Avoid contact with skin by using latex, rubber or polyethylene gloves. If it comes into contact with your skin, simply remove and wash with soap and water.

PACKAGING

PE-cartridge 300ml: 24 cartridges per box

STORAGE AND SHELF LIFE

Silcoflex 595 can be stored for 12 months in its original packaging (unopened container) between 5°C and 30°C in a cool, dry place. Keep away from wet areas, direct sunlight and heat sources.

GENERAL INFORMATION

The information contained in this technical data sheet is to the best of our knowledge correct, being based on our knowledge and experience to date and cannot be used as a guarantee, due to the various different materials present on the market and the fact that the application conditions are not under our direct control and supervision. NPT srl, however, guarantees constant product quality. NPT srl, has the right to modify or up-date this technical data sheet according to requirements. Customers are kindly requested to verify that they are in possession of the latest version.

ALWAYS CONSULT THE MATERIAL SAFETY DATA SHEET BEFORE USING THE PRODUCT