

SILCOFLEX 450

One-component acetoxy silicone sealant, mould resistant.

DESCRIPTION

Silcoflex 450 is one-component acetoxy silicone sealant for general purpose. Cures at room temperature under the action of atmospheric moisture to provide a permanently flexible silicone elastomer with high chemical and aging resistance.

Certified and tested according to:

EN 15651 - 1: Tipo F - EXT - INT - CC
EN 15651 - 3: Tipo S

AREAS OF APPLICATION

Applications in construction in areas with high humidity, such as bathroom fixtures. Suitable for elastic joints between glass, metals, ceramics. Not suitable for a porous surface. Resist mould, bacteria and substances used for cleaning and hygiene.

FEATURES

- Rapid crosslinking, short skin time
- Adheres excellently to glass and glazed surfaces, some plastics and coatings.
- Suitable for high humidity areas
- Resistant to mould and bacteria
- Non-sagging
- Excellent weathering, ageing and UV resistance
- Easy extrusion at low (+5°C) and high (+40°C) temperatures
- Flexible at low (-40°C) and high temperatures (+100°C)

TECHNICAL DATA

Appearance	Thixotropic paste
Chemical nature	Silicone, acetoxy curing
Curing Mechanism	Moisture-curing
Color	Transparent, white
Curing through volume [mm] (NPT Method 07) (24h - 23°C and 50% RH)	> 2
Density [g/cm ³] (NPT method 06) (23°C and 50% RH)	0.96
Hardness Shore A (DIN 53505)	ca. 18
Skin time [min] (NPT Method 17) (23°C and 50% RH)	ca. 22
Elastic modulus at 100% [N/mm ²] (ISO 8339)	0.3
Tensile strength [N/mm ²] (ISO 37 DIN 53504)	ca. 0.6
Elongation at break [%] (ISO 37 DIN 53504)	ca. 200
Application temperature [°C]	From +5 to +40
Temperature Resistance [°C]	From -40 to +100

APPLICATION

To obtain maximum performance in terms of adhesion, the surfaces concerned must be dry and clean; in particular, degreasing solvents can be used to remove oil or grease. It is possible to smooth the product, after extrusion, with a diluted mixture of water and neutral soap. The freshly extruded product can be removed with a cloth soaked in white spirit. 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 used tools with white spirit. When the adhesive has not yet hardened, it can be removed using paper or a cloth. Once hardened, the product can only be removed mechanically. Avoid skin contact by using latex, rubber or polyethylene gloves. If it comes in contact with the skin, remove and wash with soap and water.

PACKAGING

PE-Cartridge 280 ml - 24 pieces per box

STORAGE AND SHELF LIFE

Silcoflex 450 can be stored for 12 months in its original packaging (unopened container) between 10°C and 25°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