

Technical Data Sheet SILCOFLEX 470

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SILCOFLEX 470

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.

Certificato e testato secondo:

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

EN 15651 - 3: Tipo S

Test microbici ISO 846 per materie plastiche

EMICODE EC1

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, acetoxo curing
Curing Mechanism	Moisture-curing
Color	Transparent, white, black, grey, brown. Others on request
Curing through volume [mm] (NPT Method 07) (24h - 23°C and 50% RH)	> 2
Density [g/cm³] (NPT method 06) (23°C and 50% RH)	0.96
Hardness Shore A (DIN 53505)	ca. 21
Skin time [min] (NPT Method 17) (23°C and 50% RH)	ca. 20
Elastic modulus at 100% [N/mm²] (ISO 8339)	0.4
Tensile strength [N/mm²] (ISO 37 DIN 53504)	ca. 0.6
Elongation at break [%] (ISO 37 DIN 53504)	ca. 200
Tear strength [N/mm²] (ISO 34)	ca. 4.0
Joint movement capability [%] (ASTM C920)	± 12.5
Application temperature [°C]	From +5 to +40
Temperature Resistance [°C]	From -40 to +100

APPLICATION

The surfaces to be treated should be perfectly clean, dry and free from dust and grease. It is necessary to treat the bonding surface according to NPT application guidelines. It is advisable to carry out preliminary adhesion tests on the support.

Remove the top part of the threaded top screw on the plastic nozzle and cut it at an angle according to the desired bead thickness and profile. Fit the cartridge into a manual or pneumatic air operated gun (provided with telescopic piston) and extrude the sealant carefully preventing air entrapment. Once opened, packs should be used up within a relatively short time. The optimum operating temperature for both substrate and sealant is between 15°C and 25°C.

Tooling and finishing must be carried out within the tack-free time of the sealant. Since system is moisture-cured, permit sufficient exposure to air. Bonded elements may require additional holding or support during curing period.

SILCOFLEX 470 must not be used for insulating glass applications and not recommended for structural glazing applications, for sealing of aquaria or for longer-term use under water. Not suitable for food processing application.

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 470 can be stored for 24 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