SIGILL®
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Technical Data Sheet Silicone sigillante
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Silicone sigillante

One-component acetoxy silicone sealant, mold resistant.

DESCRIPTION

Acetic crosslinking silicone sealant. Cures at room temperature under the action of atmospheric moisture to provide a permanently flexible silicone elastomer with excellent adhesion. Maintains elastic properties at a constant temperature within 100 ° C.

AREAS OF APPLICATION

For sealing and fixing preferably compact and non-porous materials commonly used in construction and in the sanitary field. Ideal for "do it yourself", it adheres to glass, wood, ceramic, aluminum, anodized aluminum. It does not adhere to PE, PP, PTFE. It is not indicated on metal surfaces where it can cause corrosion as well as for the installation of mirrors, nor on natural stones such as marble, granite, quartzite.

FEATURES

- Rapid crosslinking, short skin time
- also usable as an adhesive
- Contains fungicides, suitable for use in sanitary areas
- Adheres excellently to glass, ceramic and aluminum
- 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

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di gestione qualità certificato
UNI EN ISO9001:2015 da CSI Spa

Color	Transparent**, white, black*
Curing through volume [mm] (NPT Method 07) (24h - 23°C and 50% RH)	ca. 3.0
Density [g/cm³] (NPT method 06) (23°C and 50% RH)	ca. 0.98
Hardness Shore A (DIN 53505)	ca. 18
Skin time [min] (NPT Method 17) (23°C and 50% RH)	ca. 25
Elastic modulus at 100% [N/mm²] (ISO 8339)	ca. 0.36
Tensile strength [N/mm²] (ISO 37 DIN 53504)	ca. 0.6
Tear strength [N/mm] (ISO 34 - C)	ca. 4.0
Elongation at break [%] (ISO 37 DIN 53504)	ca. 150
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 particular supports.

Break the diaphragm under the cap, screw the spout and cut it at an angle according to the desired bead thickness and profile. 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.

SILICONE SIGILLANTE is not recommended for sealing of aquaria or for longer-term use under water. Not suitable for food processing application; please use instead S-Sil Food, NSF ANSI 51 certified

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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

Tube in blister 60 ml - 24 pieces per box * only
Tube 60 ml - 100 pieces per box

ECO version (optional extrusion key excluded)
Tube in blister 50 ml - 24 pieces per box
Tube 50 ml - 100 pieces per box ** only

STORAGE AND SHELF LIFE

The product can be stored for 24 months in its original packaging (unopened container) between 10°C and 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. 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

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