

# Forza 10 SIL

**One-component silicone sealant with acetic cross-linking,  
highly resistant to molds**



## DESCRIPTION

Cures at room temperature under the action of atmospheric moisture to provide a permanently flexible elastomer containing a specific fungicide for maximum protection in high humidity environments.

Tested and certified, it guarantees protection even over 10 years of simulated aging (Tested and approved by the **CSI** in Milan, Certificate No. **0985 / FPM / MATs / 07**).

### Certified and tested according to:

ASTM G21-96 (2002) – Resistance to fungi and molds

EN 15651 – 3: Type S

EMICODE EC1<sup>PLUS</sup>

## AREAS OF APPLICATION

Particularly suitable for the hygienic-sanitary sector: sealing of shower trays, washbasins, bathtubs, sinks and ceramic coverings, kitchens and in general in areas characterized by high humidity where maximum hygienic protection is required.

Ideal for internal sealing of doors and windows subject to high levels of condensation.

## FEATURES

- Solvent-free
- Rapid skin formation and reticulation.
- Excellent adhesion to glass, aluminum, ceramics, tiles, vitrified surfaces in general
- Specific for sanitary areas
- Outstanding mold resistance (10 years)
- Excellent resistance to bad weather, UV and aging
- Easy extrusion at low (+ 5 ° C) and high (+ 40 ° C) temperatures
- Flexible at low (-40 ° C) and high (+ 100 ° C) temperatures

## TECHNICAL DATA

<b>Appearance</b>	Tixotropic paste, non-sagging
<b>Chemical nature</b>	Acetoxy curing silicone
<b>Curing Mechanism</b>	Moisture-curing
<b>Color</b>	Transparent, White
<b>Curing through volume [mm]</b> (NPT Method 07) (24h - 23°C and 50% RH)	> 3.0
<b>Density [g/cm<sup>3</sup>]</b> (NPT method 06) (23°C and 50% RH)	ca. 0.98
<b>Hardness Shore A</b> (ISO 868)	ca. 15
<b>Skin time [min]</b> (NPT Method 17) (23°C and 50% RH)	ca. 15
<b>Elastic modulus at 100% [N/mm<sup>2</sup>]</b> (ISO 8339)	ca. 0.4
<b>Tensile strength [N/mm<sup>2</sup>]</b> (ISO 8339)	ca. 0.7
<b>Elongation at break [%]</b> (ISO 8339)	ca. 300
<b>Application temperature [°C]</b>	From +5 to +40
<b>Temperature Resistance [°C]</b>	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 grease. The acetic silicone adheres to most surfaces (anodized aluminum, glass, ceramic, polyester). In the presence of adhesion problems on particular surfaces, it is advisable to consult the manufacturer for the choice of a specific Primer. The product is not over-paintable.

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.

Forza 10 SIL 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; please use instead S-Sil Food, NSF ANSI 51 certified.

## **CLEANING OF EQUIPMENT AND PERSONAL PROTECTIVE MEASURES**

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Clean the tools used with white spirit. 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 immediately and wash with soap and water.

## **PACKAGING**

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PE-cartridge 280ml: 12 cartridges per box

## **STORAGE AND SHELF LIFE**

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Forza 10 SIL 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**

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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