

# Silicone sealant

- cod. 50002018



## DESCRIPTION

Silicone sealant is a 1-component product with low to medium modulus, neutral curing, that offers unbeatable adhesion on all porous and non-porous construction materials.

It is resistant to the elements, extreme temperatures, ozone and UV rays; when applied appropriately, it will not shrink, crack or crumble. Excellent, tamper-free adhesion to concrete, masonry materials, brick, aluminium, polyacrylates, polycarbonates, wood, glass and other enamelled surfaces.

Other recommended applications include: glass and structural plastic glazing systems; sealing expansion and control joints in prefabricated concrete panels or partition walls; perimeter seals.

## LIMITATIONS

Silicone sealant must not be used on building materials that release oils, plasticisers or solvents and on surfaces that are to be painted (the paint layer does not have the same elasticity as the sealant and can therefore crack or fall off).

Silicone sealant must not be used in completely enclosed spaces as it requires atmospheric moisture to cure.

## TECHNICAL SPECIFICATIONS

- Neutral alkoxylic polymerisation sealant DC
- Specific weight:  $1.52 \pm 0.05 \text{ g/cm}^3$
- Operating temperature: from 5°C to 40°C
- Interval of the operating temperatures\_ from -40°C to +150°C
- Drying time: 30 minutes (25°C)
- Polimerisation speed: 1.5 mm / 1 day, 6 mm / 1 week
- Working time: 10/20 minutes

## TECHNICAL DATA (on joint dimensions 12x12x50 mm to Standard SNJF-NF P85 507-ISO 8339-DIN 2-8339)

- Hardness: 25 ± 5 Shore A
- Module E 100%: 0.43 MPa
- Tensile strength: 0.6 MPa
- Ultimate elongation (400± 50)%
- Joint movement capacity: 25% ISO 11600, 50 % BS 5889 A
- Elastic recovery: >90%

## PREPARATION OF THE SURFACES

The surfaces to be sealed must be dry and free from dust or other contaminants.

If necessary, clean porous surfaces by grinding, sawing or sandblasting (with sand or water) or by mechanical abrasion.

Clean glass or metals with solvent, for plastics consult the manufacturer about the appropriate cleaning procedure. Silicone sealant does not require undercoating on masonry, glass, mirror, aluminium, steel, acrylic materials, polycarbonates and other common building support materials.

As a rule, the depth of the sealant should not exceed half the width of the coupling. Under no circumstances should the sealant depth be greater than the width of the coupling (for a 25 mm coupling, the recommended sealant depth is 10 mm).

For optimum performance, the depth of the sealant must not be less than 3 mm or greater than 10 mm.

## FILLER MATERIALS

Filling materials are used to partially fill the joint, thus reducing the depth of the sealant and providing a concave base, which is a fundamental element for effective joining.

The recommended filling material for silicone sealant is a flexible, closed-cell polyethylene foam strip.

## OPERATION

The silicone sealant is ready for use. After adequate preparation of the joint and masking, extrude the sealant on site and rectify within 5 minutes.

Immediately cut the masking tape and eliminate the excess sealant with a dry cloth.

## WAREHOUSING STABILITY

12 months at a temperature of 30°C or less

## CONFORMITY STANDARD

ISO 11600 25LM, DIN 18540 F, SNJF 1st Cat., UNI 9610 – 9611, UNI 85.232 Type E, DIN 52452 T4, BS 5889A, UNI 9610 – 9611

## NOTES

Refer to the product's Safety Data Sheet for safety information.

**ITEMS**

CODE	DESCRIPTION
50002018	SILICON SEALANT

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