



F.31 Silicone acetico

Single-component silicone sealant with acetic cross-linking and low modulus of elasticity, mould-resistant and solvent-free.

High resistance to UV rays.

For floors and walls.

For horizontal and vertical surfaces For indoors and outdoors.

Classified G20LM according to EN ISO 11600 norm.

PROFESSIONAL USE.

SUITABLE APPLICATIONS

- Sealing of glass, ceramics and anodized aluminium;
- usable on concrete, wood, varnished metal surfaces, rubber: in these cases, it is suggested to use F.31 PRIMER SIL AC to improve the adhesion of the product at the sides of the joints;
- sealing expansion joints subject to movements of $\pm 25\%$ from the initial dimension;
- formation of completely elastic trimmings between structural elements in the building, mechanic, naval, car and industrial sectors;
- sealing walls and floors in ceramics;
- sealing between sinks, sanitary fixtures, WCs and ceramic tiles for walls in kitchens, bathrooms, showers;
- sealing of expansion joints in swimming pool, terraces and external façades (in these cases it is advised the application of F.31 PRIMER SILAC to the sides of the joints to improve further bonding);
- assembly of glass and artistic glass windows;
- sealing windows and shutters;
- sealing pipes for water, air, spotlights, portholes, windows and glazing;
- sealing tanks, pipes and boilers;
- sealing materials with different expansion coefficients;
- adhesive-sealant for general use.

UNSUITABLE APPLICATIONS

- Do not use in the following cases:
- to seal limestone sensitive to acids;
 - on bitumen or highly plasticized surfaces which can release asphalt oils or substances which reduce the bonding by altering the colour and the resistance of the product;
 - to seal aquariums (the product is dangerous to aquatic organisms);
 - to seal surfaces with a high volume of vehicular movement or where high resistances to abrasion are required;
 - to seal joints in floorings subject to strong chemical attack with the presence of concentrated acids (carry out preliminary tests);
 - the product cannot be varnished over.

PREPARATION OF THE SURFACES

The surfaces to be sealed must be solid, dry, stable (shrinkage from ageing complete) and free from dust, crumbly parts, oils, grease, form release agents, waxes, varnishes, rust, existing paints and anything else which can affect a good adhesion.



APPLICATION

To permit the sealant to carry out its function it is essential that, once it has been applied in the joint, it can extend and compress freely. The product must therefore perfectly adhere to the sides of the joints and not to the base. The thickness of the joint must always be less than its width: especially for widths of less than 5 mm, the thickness must be equal to the width, for greater widths, the thickness must be equal to half the length.

Therefore, the joint must be created so that the maximum movement does not exceed 25%. For very deep joints, to make the depth uniform and prevent the product from sticking to the base, insert F.47 NEOPOLCER beforehand (compressible seal in expanded polyethylene). Cut the cartridge at the top of the tip, screw the nozzle, cutting an opening at 45° according to the width of the joint, insert the cartridge in the gun and extrude.

Protect the edges of the tiled surface with adhesive tape, and then apply the product in the joints, with the help of a trowel if necessary. Any possible final smoothing should be done with a wet tool, preferably wet with soapy water and before the formation of a superficial film. Immediately remove any smudge with alcohol.

AVAILABLE COLOURS | The list of available colours appears in the general catalogue.

COVERAGE | As an approximate guide reference is made to the table below.

BUTT JOINT	
Joint size in mm (axb)	Linear metres per cartridge
5x5	12
5x10	6
10x10	3
15x10	2
20x10	1,5
25x10	1,25
30x15	0,7
40x20	0,4

TRIANGULAR JOINT	
Joint size in mm (axb)	Linear metres per cartridge
5	25
10	6
15	3
20	1,5

CLEANING | Wash hands and the equipment with toluene, acetone, petrol, diluents, before setting. Afterwards clean mechanically.

PACKAGING | 280 ml cartridges in 24-piece boxes.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION | F.31 SILICONE ACETICO is not dangerous according to the current regulations on the classification of mixtures. It is recommended to wear gloves and safety goggles and to use the usual precautions to handle chemicals. For further and complete information, it is recommended to refer to the latest version of the safety data sheet.



TECHNICAL DATA

Appearance	Thick paste
Hazard classification (directive 1999/45/CE)	No (for further information see the safety data sheet)
Volumic mass (g/cm ³)	1,0 ± 0,03
Application temperature range	from +5°C to +40°C
*Workability time	10-15 min.
*Resistant to indentation	15-30 min.
*Polymerisation speed	1,5 mm/day - 4 mm/3 days
*Light walk-over time	minimum 24 hours
*Extrusion speed (nozzle 3 mm - p= 0,21 N/mm ²)	ml/10 s 10±5
Max movement of operation	25%
Shore hardness A (DIN 53505)	20±3
Modulus 100% (DIN 53504 -S1)	0,42 N/mm ²
Tensile strength DIN 53504 – S1	1,6 N/mm ²
Resistance to laceration DIN 53504 - S1	500%
Thermal resistance	from -40°C to +120°C
VOCs (Rule # 1168 of California's SCQAMD) USGBC – LEED U.S.	69 g/L (Requirement: ≤ 250 g/L)
Storage	12 months in original packaging in a dry place

*Data obtained at +23°C and 50% Relative Humidity.

This technical data sheet is based on the knowledge acquired from our experience. We reserve the right to modify the data contained herein as a result of improvements and technical progress. Considering the different materials and diverse working techniques, which are outside of our control, we cannot accept any responsibility for the use of these instructions. We therefore recommend undertaking sufficient test applications and consulting our Technical Assistance service.

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