

## F.15 SETASIL AC

Single-component silicone sealant with acetic cross-linking. Weather, ageing and UV resistant. Excellent workability and adhesion to ceramic substrates.

For floors and walls.

For indoor horizontal surfaces and outdoor and indoor vertical ones. .

Available in 15 colours.

PROFESSIONAL USE ONLY.



SUITABLE APPLICATIONS



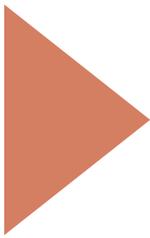
- Sealing expansion joints on external façades and swimming pools;
- Sealing windows and frames;
- Sealing between sinks and bathroom appliances
- Sealing expansion joints in indoor walkways;
- Sealing glass, ceramic, anodized aluminium, acrylic / acrylic glass / PMMA (Plexiglas, etc.);
- Can be used on wood, metal, painted surfaces, rubber;
- Sealing expansion joints liable to move  $\pm 25\%$  from their initial position;
- Making perfectly elastic seals between structural components in the building, mechanical, shipbuilding, automotive and industrial sectors;
- Grouting ceramic wall (indoor/outdoor) and floor (indoor) tiles;
- Toilets and ceramic tiles in kitchens, bathrooms and showers;
- Assembly of glass and stained glass;
- Sealing water and air pipes, spotlight ducts, portholes, windows and glass walls;

### WARNINGS

- Make sure that all construction materials involved are compatible with each other and with the product, and that they can neither damage nor alter the characteristics of the product itself;
- Make sure that the solid and volatile components of the building materials in the point where the product is applied will not compromise or alter the characteristics of the product itself (e.g. fading);
- Minimum quantities of acetic acid are released as the product sets;
- The vulcanization rate is proportional to the thickness of the silicone joint. Single-component silicone sealants are not suitable for areal gluing unless specific construction conditions are present;
- Do not use in the following cases:
  - for sealing acid-sensitive limestone;
  - on surfaces with bituminous or thickly plasticized coatings which could release asphaltic oils or substances able to reduce the adhesion properties and alter the colour and strength of the product;
  - for sealing aquariums (the product is dangerous for aquatic organisms);
  - for sealing outdoor walkways (use F.15 SETASTONE N);
  - for sealing the joints in floors subject to chemically aggressive agents with the presence of concentrated acids (perform preventive tests);
- the product cannot be over-painted.

### SURFACE PREPARATION

The surfaces to be sealed must be solid, dry, stable (they must have completed the shrinkage that occurs during weathering) and free from dust, crumbling parts, oils, grease, form dismantling substances, waxes, paints, rust, old coatings and anything else that could impair adhesion.



## APPLICATION

In order to function properly, the sealant must be free to extend and compress once it has been applied in the joint.

The product must adhere perfectly to the sides of the joint and not to the bottom. The thickness of the joint must always be less than its width: thickness can equal width if the width is less than 5 mm. If the joint is wider, the thickness must equal half the width.

The joint must be designed so that maximum movement does not exceed 25%. To adjust the depth and prevent the product from adhering to the bottom, F.47 NEOPOLCER (compressible seal in polyethylene foam) must be inserted beforehand when the joints are very deep. Cut the cartridge at the top of the thread and screw on the nozzle. Cut an opening at 45°, depending on the width of the joint, then fit the cartridge into the applicator and extrude.

Protect the edges of the tiled surface with adhesive tape, then apply the product in the joints with the aid of a putty knife if necessary. If required, final smoothing should be done before a film has formed on the surface of the product. Use a damp tool, best if wetted with soapy water. Smears must be removed immediately with alcohol.

## AVAILABLE COLOURS

The list of available colours is given in the general catalogue.

## COVERAGE

Refer to the table below for guidance

<b>BUTT JOINT</b>	
Joint dimensions in mm (axb)	Linear meters per cartridge
5x5	12
5x10	6
10x10	3
15x10	2
20x10	1,5
25x10	1,25
30x15	0,7
40x20	0,4

<b>TRIANGULAR JOINT</b>	
Joint dimensions in mm (axb)	Linear meters per cartridge
5	25
10	6
15	3
20	1,5

## CLEANING

Use common solvents (ethyl acetate, gasoline, toluol) to clean partially cross-linked F.15 SETASIL AC from tools and soiled surfaces. Once it has completely cross-linked, silicone rubber can only be removed by mechanical means.

## PACKAGING

310 ml cartridges in boxes containing 12 pcs.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

F.15 SETASIL AC is not dangerous according to the current regulations governing the classification of preparations. Remember to wear protective gloves and goggles and to take all the usual precautions required when chemicals are handled. Consult the latest version of the Safety Data Sheet for further and more complete information.

## TECHNICAL DATA

Classification according to EN 15651-1	F EXT-INT CC 25 LM
Classification according to EN 15651-2	G CC 25 LM
Classification according to EN 15651-3	XS 1
Classification according to EN 15651-4	PW INT 12,5 E
Consistency	Thixotropic paste
Colour	Various - Consult the general catalogue
Hazard classification	Consult the Safety Data Sheet
Density according to ISO 1183-1 (g/cm <sup>3</sup> )	~ 1,0
Volume loss according to ISO 10563 (%)	<10
Shore hardness A according to ISO 868	~ 20
Admissible overall deformation (%)	25
Elastic modulus at 100% according to ISO 37, S3A (N/mm <sup>2</sup> )	~ 0,3
Elongation at break according to ISO 37, S3A (%)	900
Tensile strength according to ISO 37, S3A (N/mm <sup>2</sup> )	1,8
Thermal resistance	From -40 to +180 °C
Admissible application temperature	From +5°C to +35°C
*Extrusion rate according to standard ISO 8394-1	140-170 g/min
*Polymerization rate	2-3 mm after 24 hours
*Skin formation rate	~ 10 min.
Storage time	12 months in original packaging in a dry place
<b>EMICODE</b>	<b>EC1 Plus - Ultra-low emission</b>

\*Data obtained at +23°C and 50% R.H.

## LEED SCORE® - GBC ITALIA

LEED® SCORE SUPPORT*	LEED® SCORE
MR Credit 5 – Regional materials	up to 2
QI Credit 5 –Materials with low emissions	up to 1

\*LEED® provides a set of standard measurements for assessing the environmental performance of buildings based on environmental and energy principles commonly recognized and accepted by the international scientific community. The LEED® green assessment program is a voluntary system. For the purpose of calculating the score, reference is made to the provisions in the latest available version of the LEED® Italia Manual. ©2010, Green Building Council Italia, U.S. Green Building Council, all rights reserved.

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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