



# STONE FRAME SEALANT

DATA SHEET

06/2013

## DESCRIPTION:

Modified acrylic resin-based elastic-plastic sealant.

## PROPERTIES:

Single-component sealant, easily applied, and that can be reticulated at air temperature. It is compatible with most materials used in construction (concrete, wood, brick, natural and artificial stone, etc.).

Due to its elastic-plastic characteristics, **STONE FRAME SEALANT** does not transmit stresses to the edges of the joint.

## APPLICATIONS:

General purpose sealant for joints with less than 10% movement.

Sealing of construction frameworks.

Sealing and filling of cracks in plaster or masonry.

## TECHNICAL FEATURES

### Uncured STONE FRAME SEALANT

Appearance:	Homogeneous creamy paste.	
Slump resistance (NF P 85501):	mm.	0
Tack free (BS 3712 Part 3.1974):	minute	15 - 20
Skin over time (BS 5889 Ap.A):	minute	45 - 60
Waiting time before Painting:	hours	> 1
Temperature range for application:	°C	+5 to +50

### Cured STONE FRAME SEALANT (4 weeks at 23°C and 55% h.r.)

Appearance:	Flexible solid.	
Elastic recovery (NF P 85506):	%	< 70
Tensile strength (NF P 53504):	Mpa.	0,08
Elongation at break max/2 (NF P 85507):	%	50 – 75
Movement accommodation factor:	%	10
Temperature range in service:	°C	-20 to +80



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## CHEMICAL RESISTANCES:

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UV and weather:  
Water:  
Polluted environments:

## INSTRUCTIONS:

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### Dimensioning joints:

Their width must be at least 10 times greater than the maximum expected movement.

Depth of sealant must be equal to the width of the joint and never less than 10 mm.

### Formation of joints:

It is necessary that a filler material is used in order to avoid adhesion of **STONE FRAME SEALANT** to the bottom of the joint which would exercise unnecessary tension on the sealant. Meanwhile, regulation of its depth is achieved as well as greater yields. The material used must be inert, mechanically stable, homogeneous, corrosion resistant, and must not adhere to the sealant or contiguous materials.

A particularly recommendable product is closed-cell polyethylene foam, extruded in regular-section strips, such as our POLITEN-CEL.

### Treatment of the joints:

The surfaces to be sealed must be clean and dry. If necessary, in addition to mechanical means, cleaning with non-grease solvent such as acetone is recommended.

For porous joints, we suggest the use of:

### PRIMER C-16

(See technical data)

Any material not known by the user in terms of adhesiveness must first be tested by or consulted with our technical department.

### Procedure:

Once the cartridge is inserted in the application gun and the nozzle bevelled to the required size, the joint, appropriately treated, is filled with **STONE FRAME SEALANT**. In order to avoid messing the edges, they may be smoothed with a spatula.

### Yield:

The following formula is an approximate guideline to calculate foreseen yield for a standard cartridge of **STONE FRAME SEALANT**:

$$L = \frac{300}{A \times P}$$

Where:

L = Length of sealant in metres obtained per cartridges of **STONE FRAME SEALANT**.

A = Width of the joint in mm.

D = Depth of the joint in mm.

### Further treatment:

**STONE FRAME SEALANT** can be painted.

Nevertheless, since a too-rigid or somewhat inflexible paint may cause cracks to appear in the sealant, we recommend that this practice is not carried out except when absolutely inevitable, in which case one must be very demanding regarding the paint's characteristics.

**NOTE : STONE FRAME SEALANT must not be applied in rainy weather nor when there is likelihood of rain, nor at temperatures below +5°C.**

## AUXILIARY MATERIALS

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### POLITEN-CEL

Expanded polyethylene strip for bottom of joints.

### PRIMER C-16

Primer for general use.

## STORAGE:

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Keep in a cool, dry place.  
Lifetime: at least 36 months.

## PRESENTATION:

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In 300 cc. plastic cartridges.  
24 cartridge boxes.



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## COLOURS:

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Beige.

## CLEANING:

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Tools may be cleaned immediately after use with water.

The cured material is easily removed by mechanical means.

## HEALTH & SAFETY:

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**STONE FRAME SEALANT** issues volatile monomers analogous to those used in water-based paint, therefore, in enclosed areas, it should be applied with good ventilation.

Due to possible irritation, product contact with eyes or mucous areas should be avoided. If this should happen, thoroughly rinse the affected area with plenty of water and, if necessary, see a doctor.

Cured product may be handled without risk.

Labour hygiene:

Use gloves. In case of splashing, wash with industrial detergent when the product is still fresh.

**DO NOT WASH HANDS WITH SOLVENTS.**

*For more information request Safety Data Sheet.*

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