



# ACRYLIC UNIVERSAL

DATA SHEET  
01/2016

## 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, **ACRYLIC UNIVERSAL** does not transmit stresses to the edges of the joint.

## APPLICATIONS:

- General purpose sealant for joints with less than 7, 5% movement.
- Sealing of construction frameworks.
- Sealing and filling of cracks in plaster or masonry.

## CERTIFICATIONS:

CE Mark: EN 15651-1 F-EXT-INT Dop n°: SIB0000177 <http://ce.selena.com/>

## THECNICAL FEATURES

Uncured ACRYLIC UNIVERSAL :			Cured ACRYLIC UNIVERSAL, (4 weeks at 23°C and 55% H.R.)		
Appearance:	Homogeneous creamy paste.		Appearance:	Flexible solid.	
Slump resistance (ISO 7930):	mm.	0	Elastic recovery (ISO 7389):	%	< 40
Tack free (BS 3712 parte 31974):	Minutes	15-20	Tensile strength (ISO 37):	Mpa.	0,12
Skin over time (BS 5889 Ap.A):	Minutes	45-60	Elongation to break max./2(ISO 8839):	%	30 – 60
Waiting time before painting:	Hours	>1	Movement accomodation factor:	%	7,5
Temperature range for application:	°C	+5 to +50	Temperature range in service:	°C	-20 to +80



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## CHEMICAL RESISTANCE:

UV and weather:	Good
Water:	Good
Polluted environments:	Good

## INSTRUCTIONS:

### 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 **ACRYLIC UNIVERSAL** 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 **ACRYLIC UNIVERSAL**. 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 **ACRYLIC UNIVERSAL**:

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

Where:

L= Length of sealant in metres obtained per cartridges.

A = Width of the joint in mm.

D = Depth of the joint in mm.

### Further treatment:

**ACRYLIC UNIVERSAL** 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: ACRYLIC UNIVERSAL must not be applied in rainy weather or when there is likelihood of rain, nor at temperatures below +5°C.**

## STORAGE:

- Keep in a cool, dry place.
- Lifetime: 24 months.

## PRESENTATION:

- In plastic cartridges 300 cc. aprox.
- 24 cartridge boxes

## CLEANING:

Tools may be cleaned immediately after use with water.

The cured material is easily removed by mechanical means



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## HEALTH AND SAFETY:

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**ACRYLIC UNIVERSAL** 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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