



ACRYLIC UNIVERSAL 1/2 HOUR

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 1/2 HOUR** 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.

CERTIFICATIONS:

CE Mark: EN 15651-1 F-EXT- INT Dop n°: SIB0000183 <http://ce.selena.com/>

TECHNICAL FEATURES

Uncured ACRYLIC UNIVERSAL 1/2 HOUR

Appearance:	Homogeneous creamy paste.	
Slump resistance (ISO 7390):	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 ACRYLIC UNIVERSAL 1/2 HOUR (4 weeks at 23°C and 55% h.r.)

Appearance:	Flexible solid.	
Elastic recovery (ISO7389):	%	< 70
Tensile strength (ISO 37):	Mpa.	0,08
Elongation at break max/2 (ISO 37):	%	50 – 75
Movement accommodation factor:	%	10
Temperature range in service:	°C	-20 to +80



ACRYLIC UNIVERSAL 1/2 HOUR

DATA SHEET
01/2016

CHEMICAL RESISTANCES:

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 1/2 HOUR** 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 1/2 HOUR**. 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 1/2 HOUR**:

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

Where:

L= Length of sealant in metres obtained per cartridges of SINTEX GLAS K-47.

A = Width of the joint in mm.

D = Depth of the joint in mm.

Further treatment:

ACRYLIC UNIVERSAL 1/2 HOUR 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 1/2 HOUR must not be applied in rainy weather or when there is likelihood of rain, nor at temperatures below +5°C.

AUXILIARY MATERIALS

POLITEN-CEL

Expanded polyethylene strip for bottom of joints.

PRIMER C-16

Primer for general use.

STORAGE:

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

PRESENTATION:

In 300 cc. plastic cartridges.

24 cartridge boxes.



ACRYLIC UNIVERSAL 1/2 HOUR

DATA SHEET
01/2016

COLOURS:

Grey
White
Brown
Brick
Beige PRE
RAL 9002
Black

CLEANING:

Tools may be cleaned immediately after use with water.
The cured material is easily removed by mechanical means.

HEALTH & SAFETY:

ACRYLIC UNIVERSAL 1/2 HOUR 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.

"The information contained herein is offered in good faith based on Selena's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customer's tests to ensure that Selena's products are fully satisfactory for your specific applications. Selena's sole warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Selena FM S.A. specifically disclaims any other expressed or implied warranty of fitness for a particular purpose or merchantability. Selena disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

Technical indications and data appearing in this brochure are based on our current knowledge and experience and we decline all responsibility for consequences derived from inadequate use. Therefore, our guarantee is limited exclusively to the quality of the product supplied. This technical information can be modified without notice. If necessary request it periodically."



Quilosa - Selena Iberia S.L.U.

Centro empresarial Rivas Futura, C/ Marie Curie 19, Planta 6.1, 28521 Rivas, Madrid, Spain,
Tel: +34 902 02 18 02 – Fax: +34 914 999 796, info@quilosa.es, www.quilosa.com