

SINTEX AC-49

Granulated effect

DATA SHEET
07/2019



DESCRIPTION:

Single-component, modified acrylic resin-based elastic-plastic sealant.

PROPERTIES:

- Granular texture, easy application and excellent resistant to weather conditions.
- It is compatible with most materials used in construction
 - concrete
 - wood
 - brick
 - natural and artificial stone
 - etc.
- It can be *overpainted.
- Due to its elastic-plastic characteristics, **SINTEX AC-49** 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°: SIB0000206
<http://ce.selena.com/>

- A + Certificate**, very low emission product.
Determination of Volatile Organic Compounds according to ISO 16000.



TECHNICAL FEATURES:

Uncured SINTEX AC-49:

Appearance:	Homogeneous creamy paste.	
Slump resistance (ISO 7390):	mm	0
Tack free (BS 3712 Part 3.1974):	minutes	15 - 20
Skin over time (BS 5889 Ap.A):	minutes	45 - 60
Waiting time before Painting:	hours	> 1
Temperature range for application:	°C	+5 to +50

Cured SINTEX AC-49: (4 weeks at 23°C and 55% h.r.)

Appearance:	Flexible solid.	
Elastic recovery (ISO 7389):	%	< 70
Tensile strength (ISO 37):	MPa	0,09
Elongation at break max/2 (ISO 8339):	%	50 – 75
Movement accommodation factor:	%	10
Temperature range in service:	°C	-20 to +80



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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 **SINTEX AC-49** 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 **SINTEX AC-49**. 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 **SINTEX AC-49**:

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

Where:

L = Length of sealant in metres obtained per cartridges of **SINTEX AC-49**.

A = Width of the joint in mm.

D = Depth of the joint in mm.

Further treatment:

***SINTEX AC-49** 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: SINTEX AC-49 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 3 years.

PRESENTATION:

In 300 cc. plastic cartridges.

24 cartridge boxes.

COLOURS:

White Beige



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CLEANING:

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

HEALTH & SAFETY:

SINTEX AC-49 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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