

## PRODUCT DATA SHEET

# Everbuild Tecnic® Fire Sealant 300

An intumescent and acoustic acrylic sealant that swells when exposed to temperatures in excess of 150 °C

### PRODUCT DESCRIPTION

Everbuild Tecnic® Fire Sealant 300 is a four-hour rated, one part, acrylic emulsion based, intumescent sealant that gives a firm yet flexible seal to joints in a variety of fire rated structures. Tested in accordance with BS EN 1366-4:2006, the product, in suitably designed joints, will resist the passage of fire for up to 4 hours. The selected fillers used in this formulation also make it suitable for use as an acoustic sealant.

### USES

Recommended for:

Sealing joints, voids and irregular holes in fire walls, partitions and other structures; also for maintaining the integrity of pipes and cables that penetrate them.

For internal perimeter pointing of fire rated door and window frames.

### CHARACTERISTICS / ADVANTAGES

- When exposed to heat, it swells greater than 3 x its original size, so creating a char that will resist the passage of fire for up to 4 hours.
- No priming required for most construction substrates.
- Joint movement capability of +/- 12.5 %.
- For use in joints up to 50 mm wide.
- Halogen free.
- Non slump - easy to apply and tool off.
- Tack free in 15 minutes.
- Over paintable.
- Excellent acoustic properties for sound deadening –average noise reduction of 29 dB.

### APPROVALS / STANDARDS

- Tested in accordance with BS EN 1366-4:2006.
- Acoustic rated to BS EN ISO 140-3:2005.
- Tested for Air permeability to BS EN13141-1:2004 Ventilation for buildings. Performance testing of components/products for residential ventilation.
- UKCA and CE marked under BS EN 15651-1:2012.
- Tested in accordance with BS EN 1366-3:2009.
- Certifire CF 5026

### PRODUCT INFORMATION

Chemical Base	Water based acrylic
Packaging	380 ml cartridge & 600 ml foil
Shelf Life	Use within 24 months.
Storage Conditions	Store in cool dry conditions between + 5 °C and 30 °C.
Colour	Grey and white

### TECHNICAL INFORMATION

<b>Elongation at break</b>	>100 % (ISO8339)
<b>Movement Capability</b>	12.5 %
<b>Elastic Recovery</b>	<40 % (ISO7389)
<b>Shrinkage</b>	<25 % (ISO10563)
<b>Reaction to Fire</b>	Class E (EN13501-1)
<b>Joint Design</b>	Max Joint Width - 50 mm Joint Movement - + / - 12.5 % of Original Size <b>Joint Dimensions</b> For maximum movement accommodation, it is recommended that: 1. The sealant joint depth should be no less than 5 mm 2. Joint depth should be 5 mm for joints up to 10 mm wide 3. Joints above 10 mm in width should be half the width in depth up to 20 mm and minimum 10 mm for wider joints Joint depth may be adjusted to the correct size using EVERBUILD® JOINT BACKER ROD.
<b>Curing Rate</b>	1 mm / 24hrs at 50 % Relative Humidity 23 °C
<b>Skin Time</b>	10 minutes
<b>Tack Free Time</b>	15 minutes

## VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

- Not for use on substrates that may bleed oils, solvents or plasticisers.
- Not for use where joints are constantly immersed in water, or as part of glazing systems.
- Known to have compatibility problems with some cPVC piping.

## ECOLOGY, HEALTH AND SAFETY

### SUBSTRATE PREPARATION

All surfaces must be clean, dry and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application. Everbuild Tecnic® Fire Sealant 300 does not require a primer on most common surfaces, although adhesion tests are recommended prior to full scale application. If the joint is likely to be immersed or if adhesion is poor (especially on porous surfaces) use FIRE SEALANT 400.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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