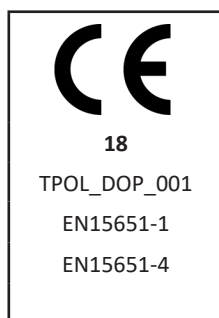


Tecno-Pol 40 is a single component polyurethane elastomeric sealant. It forms a joint of high elasticity and has a good resistance to traffic and weather. Tecno-Pol 40 cures rapidly under the effect of atmospheric humidity



### Certifications



### Applications:

Tecno-Pol 40 is designed to bond various building materials, as a floor joint and for movement joints. Tecno-Pol 40 adheres without primer on most construction substrates commonly used including wood, anodized aluminium, polyester, glass, concrete, baked clay, stone and ceramic tiles. For difficult materials, including plastics such as PVC, ABS, PMMA, or materials such as raw aluminium or lacquered metal, perform preliminary tests to determine whether a surface preparation is necessary.

### Key Features:

- Tecno-Pol 40 can be used in facade elements for interior and exterior applications usable in cold climate.
- Tecno-Pol 40 can be used pedestrian walks for interior and exterior applications usable in cold climate.

### Application:

Surface preparation:

The substrates must be clean, even, dry, dust free and not have any traces of grease or other contaminants that could affect bonding. If the substrates need to be cleaned, use a degreaser. For materials sensitive to ketones, ethanol. Always check their compatibility with the substrates. It is recommended to rub down concrete, particularly cement film residue, with a metal brush. After scraping, remove the dust. If necessary, rub down metallic surfaces beforehand (especially in presence of oxidation). After rubbing down, clean them with a solvent and allow to dry for at least 10 minutes.

### Primer:

Tecno-Pol 40 does not require a primer on most usual surfaces. If required contact FSi Technical Department.

### Joint dimensions:

Expansion joints are generally subject to local regulations. Unless otherwise required, the following should be complied with: 2:1 ratio (width to depth).

Minimum joint width : 6mm (joint depth should be a minimum of 5mm for joints up to 10mm width)

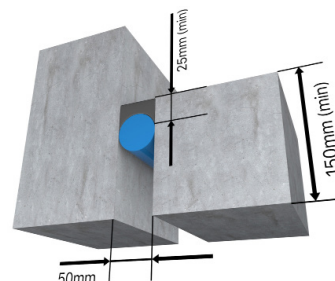
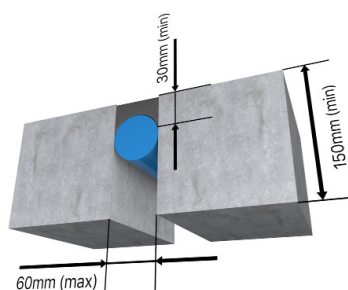
Maximum joint width : 25 mm (in a single application)

Minimum joint depth Porous surface : 10mm

Minimum joint depth non Porous surface : 6 mm

Maximum joint depth : 30mm

### Typical Joint Detail



### Applying the sealant:

Tecno-Pol 40 can be applied by a manual or pneumatic gun. After application, use a putty knife to smooth the joint with water. This product should be used within 24 hours which follow the opening of the packaging, otherwise the sealant could cure. Do not apply at a temperature below 5°C.

Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

### Available in:

- 600ml foils
- Colour: grey

### Shelf Life:

- 12 months when stored between 5°C and 25°C. In cold weather store the packaging at 20°C before use.

Essential Characteristics	Declared Performance
<b>1. Before Curing</b>	
Type of sealant	Polyurethane
Appearance	Non flowing paste
Specific gravity, approx. (g/cm <sup>3</sup> )	1.16
<b>2. Curing</b>	
The sealant starts to cure as soon as the product comes into contact with air humidity.	
Skin formation time approx. (min)	50
Curing rate at 23°C 50% hr	3
Application temperature (°C)	+5 to +35
<b>3. After curing</b>	
Shore A hardness approx. (ASTM D 2240)	40
Joint movement accommodation (%)	25
Operating temperature (°C)	-40 to +80
Tear Strength approx. (N/mm)	8.5
Modulus at 100% elongation approx. (MPa)	0.4
Elongation at break approx. (%)	600
Weatherability	Excellent
UV resistance	Good
Compatibility with paints when sealant is cured	Water based: Yes Solvent based: carry out pre-tests

The information provided including the recommendations relating to the application and end-use of FSi products are given in good faith based on FSi's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with FSi's recommendations. These should be followed as guidance only. In practice, the differences in materials, substrates and 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 drawing details, or from any type of advice offered. The user of the product must test the product's suitability for the intended application and purpose as a part of our product development and testing. We reserve the right to modify product specifications without giving prior notice. Users must always refer to the most recent issue of the Product Information Document (PID) for the product concerned, copies of which will be supplied on request by the FSi Technical Team.