

# Tangit FP 410

## Fire Protection Silicone

single component silicone for fire-resistant and smoke tight closing of expansion joints in walls and ceilings acc. 1366-4



FP 410

### PROPERTIES

- Fire-resistant and smoke-tight up to EI240
- Tested according EN 1366-4 and BS476-20
- Neutral-curing RTV1
- Fire resistance class B1/B2 acc. DIN4102 and ISO 11600F – class 12.5P
- Excellent UV-resistance
- Easy to apply and easy to smooth
- Good adhesion to most common building materials
- Excellent weathering and ageing resistant

### TESTING AND APPROVAL

Tested and certified acc. to EN1366-4: EI240 for expansion joints  $\leq 25\text{mm}$

### APPLICATION SCOPE

For fire-resistant and smoke-tight closing of expansion joints in walls and ceilings according EN 1366-4.

### SURFACE PREPARATION

The surface must be solid, clean, dry and free of dust, oil and grease. Use appropriate primer to ensure the adhesion of Tangit Fp410.

To produce optically neat joints we recommend masking off joint edges with the appropriate tape. We generally recommend using smooth surface tape for smooth substrates, and crepe structured tape for rough substrate surfaces.

### APPLICATION

Cut off the top of cartridge cap above the thread, screw on the plastic nozzle and cut at an angle to match the joint strand width required. Load the cartridge in the conventional dispensing pistol and inject into the joint free of air bubbles.

Directly after application, smooth off the joint with the appropriate tool. The joint can be lightly sprayed with clean water. To avoid tearing the skin as it forms, remove masking tape directly after filling the joint. Remove smoothing residues and protect the surface of the sealant from water (rain) until a skin has formed.

### TECHNICAL INFORMATION

Material:	neutral-curing silicone oxime
Colour:	white/grey
Odour:	neutral after curing
Flow resistance (DIN EN ISO 7390)	< 2mm
Application temperature: (air / substrate):	+5 °C to +40 °C
Temperature resistance: (cured material)	-50 °C to +150 °C
Specific gravity (DIN EN ISO 2811-1)	approx. 1.4 g/ml
Skin formation time: (+23°C, 50% RH)	after approx. 7 minutes
Cure rate, 5 mm (+23°C, 50% RH, joint dimension 20 x 10 mm)	approx. 2-3 days
Loss of volume (DIN EN ISO 10563)	approx. -5%
Shore A hardness (DIN 53505)	approx. 20
Modulus at 100% elongation $\leq 0,4\text{N/mm}^2$ (DIN EN 28339-A)	
Tensile strength (DIN EN 28339-A)	approx. 0,35 N/mm <sup>2</sup>
Elongation at break (DIN EN 28339-A)	approx. 200 %
Max. deformation:	25 %
Max. joint width:	30 mm

### PACKAGING

12 x 310 ml cartridges per carton

### SHELF LIFE

Store the product in a cool and dry place. The shelf life is 12 months after the production date (see cartridge).

## GENERAL INSTRUCTIONS

### Health guidelines:

- Irritates eyes and skin
- Sensitisation is possible through skin contact

### Safety hints:

- Keep out of reach of children
- Wear appropriate protective gloves and clothing when applying the product
- In case of an accident seek medical advice immediately (show the product label if possible)
- If swallowed, seek medical advice immediately and show the product label

## IMPORTANT

- **Cleaning.**  
Skin: in case of contact with the skin, rinse the coating off immediately with soap and water.  
Textiles: fresh coating can be removed with soap and water. The hardened product can only be removed mechanically.
- **Instructions for disposal**  
Squeeze out product. Hardened product residue can be disposed of with household waste.  
Only completely empty cartridges are to be disposed of as recoverable materials.

### Please Note:

The above information can only be of a general nature. Because of the various modes of processing and use being beyond our control and of the large variety of materials we recommend that sufficient tests always be carried out. No liability for particular results of application based on the information and instructions given in this leaflet can therefore be given. Warranty applies exclusively to the consistently high quality of our products in connection with our sales conditions.