

PATTEX FT 101 HIGH MODULUS SEALANT & ADHESIVE

DESCRIPTION

All purpose elastic sealant / adhesive based on Flextec which cures by reaction with moisture at room temperature.

MAIN BENEFITS

- High elasticity - complies with ISO11600-F-25HM (movement capability 20%)
- Excellent primerless adhesion to wide range of surfaces
- No shrinkage
- Solvent-free
- Resistant to UV-light/sunlight radiations -no superficial cracking
- Can be applied to damp surfaces without forming surface bubbles or losing adhesion like PU sealants
- Good gunnability even at low temperatures
- Can be painted after curing
- Silicone free
- Free of hazardous isocyanates

SCOPE OF USE

It is recommended for elastic bonding and sealing applications in construction such as:

- fixing windowsills, skirting-boards, steps, tiles, etc.
- maintenance work: bonding of metals, ventilation, air-conditioning, etc.
- connection joints in building construction, connection joints between window frames and brickwork, ground joints
- joints in construction prefabricated units
- joints in external balconies and terraces
- joints in light constructions
- joints in metallic and wooden constructions

PACKAGING INFORMATION

IDH	Packaging type	Size
1983803	Cartridge	280g



APPLICATION

FT101 is supplied ready to use and can be applied from the cartridge using a standard air or hand operated gun, with no special pre-treatment.

Sealing applications:

The joint width must be designed to suit the movement capability of the sealant. In general the joint width must be > 10 mm and < 35 mm. A width to depth ratio of ~1 : 0.5 must be maintained. After joint and substrate preparation, insert backing rod (closed cell, PE-foam backing rods) to required depth and apply primer if necessary. Insert cartridge into sealant gun and firmly extrude FT101 into joint making sure that it is full contact with the side of the joint. Fill the joint, avoiding air entrapment. FT101 must be tooled firmly against joint sides to ensure good adhesion. Masking tape must be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant has still not formed a skin. After application, the product can be smoothed with soapy water before skinning for a perfect sealant surface.

Bonding:

After substrate preparation apply FT101 in strips or spots on the bonding surface at intervals of a few centimeters. Use hand pressure to set the element to be bonded into position. If necessary, use adhesive tape, wedges, or props to hold the assembled elements together for the initial hours of curing. An incorrectly positioned element can be easily unfastened and repositioned in the first few minutes after application. Apply pressure again. Optimum bonding will be obtained after complete curing of FT101-International, i.e. after 24 to 48 hours at +23°C for a thickness between 2 to 3 mm.

STORAGE

12 months in unopened containers, stored under dry conditions between 5°C to 25°C.

SAFETY

See corresponding Material Safety Data Sheet.

TECHNICAL DATA

NON-CURED PRODUCT

Base	Flextec® Polymer
Odour	Alcohol
Consistency	Paste
Density	Approx. 1.1 g/ml
Resistance to flow	< 2 mm
Skin formation time	Approx. 20 min.
Curing speed	Approx. 2 mm / 24 hours

CURED PRODUCT

Odour	Odorless
Shore A hardness	35
Modulus 100%	Approx. 0,80 N/mm ² (ISO 8339)
Elongation at break	Approx. 200% (ISO 8339)
Service temperature	Between -30°C and 80°C