

TOTALFIX ®: PMU-06-N - DATA SHEET

Material: fabric tape of reinforced fiberglass saturated with polyurethane polymerized in wet (H₂O) conditions.

Use: external mechanical protections of thermal insulations and corrosion protections.

Properties:

- Requires no open flame, electric tools or adhesive products for application
- Product intended for use in hazardous environments and emergency situations
- Does not require special equipment
- Does not require additional pre-processing application - product "ready for use"
- Ease of use and reduced application time
- High flexibility in application - can be applied to irregular shapes
- Usable on pressured pipes
- Fast-curing in moist atmosphere and slow-curing in open air
- Can be used underwater
- Operating temperatures up to 180° Celsius
- Adhesive to the rubber, PVC, polyester, metal, fiberglass, concrete
- Hardness that allows further processing by abrasion
- Resistant to 10 bar pressure
- High electrical-resistance
- Used on underground or overhead pipes
- Nontoxic and no caustic, with high resistance to corrosion
- 3 Years warranty
- Does not require maintenance activities
- Resistance to UV radiation
- After curing it can be protected by applying a cold coating of insulation.

Parameter	Value	Standard
Application time	2 minutes	
Curing initial / final	4 min / 90 min at 16 ⁰ C 3 min / 60 min at 25 ⁰ C 2 min / 45 min at 32 ⁰ C	
Compressive strength	300 N	ASTM D 695
Tensile strength - vertical	≥ 12 Mpa	ASTM D 688 -111
Tensile strength - Horizontal	≥ 32 Mpa	ASTM D 688
Impact Resistance	≥ 30 Kj/m ²	ASTM D 790-1-B
Resistance to exfoliation layer / layer	≥ 20N/25mm	ASTM D 638
Dielectric strength	300 V/mm	ASTM D 149
Operating temperature	5 – 180 ⁰ C	

Chemical resistance:

The product resists following types of chemical compounds:

- Water - Potable, wastewater, steam
- Solvents - acetone, toluene, ethyl alcohol
- Acids - hydrochloric acid, sulfuric acid
- Chemicals - ethylene glycol, xylene, ammonia
- Hydrocarbons
- Fuels - oil, diesel, gasoline
- Gas - Natural, LNG, LPG
- Organic salts
- Fungicides
- Alkali

Presentation:

Roll 125mm x 4.5 m
Color: Black
Packing: Sealed tin foil - 10 rolls / carton

Application:

Operator shall use protective gloves when using.

Fiberglass tape shall be removed from the sealed tin foil and shall be sunk in a pot of water for a period of 1 to 1.5 minutes. After soaking, open the end of the tape roll and start winding. Application time is limited at 2 minutes since the material was soaked. Application shall be made in spiral successive turns overlapped by at least 50%. Throughout the winding application the band shall be dampened periodically in order to sustain the polymerization process and to maintain a smooth, continuous, without air bubbles surface.

At least 4 layers are needed to be applied (two windings with overlap of 50%) to achieve the technical parameters of the application.