MW POLYMERS

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TITAN WRAP

TECHNICAL DATA SHEET

WATER-ACTIVATED COMPOSITE PIPE REPAIR BANDAGE

DESCRIPTION

TITAN WRAP is a water-activated polyurethane resin-impregnated composite bandage intended for pipe repair and reinforcement applications. The wrap hardens after activation with water to form a rigid composite covering.

BENEFITS

- Water-activated application
- Conformable bandage for cylindrical surfaces
- Rapid curing reference formulation
- Composite reinforcement for suitable repairs
- Can be applied using portable preparation tools

TYPICAL APPLICATIONS

- Pipework repair and reinforcement
- Risers and pipe sections
- Industrial and utility maintenance
- Selected marine and civil infrastructure work

REFERENCE PROPERTIES*

Activation
Water

Reference operating temperature
Up to 120°C

Usable life at 20°C
3 minutes

Full cure at 20°C
30 minutes

REFERENCE REPAIR CATEGORIES*

LOW PRESSURE

Pressure: 5 bar / 72.5 psi

Min. cured thickness: 7.5 mm

Reference wraps: 15

MEDIUM PRESSURE

Pressure: 10 bar / 145 psi

Min. cured thickness: 12.5 mm

Reference wraps: 20

SURFACE PREPARATION

Fully depressurise and isolate the pipe before work. Remove oil and grease, abrade the surface using suitable tools, and clean again before application. Mechanical grinding is specified in the medium-pressure reference guide.

IMPORTANT TECHNICAL NOTE

* Cure, temperature, pressure and wrap data are taken from historical reference application guides. These values have not been independently verified for TITAN WRAP and must be approved before publication or use as product ratings. Repair suitability depends on pipe condition, diameter and engineered application design.

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