

MRO 8024 – PIPE WRAP (100mm X 9m)

Pipe Repair Tape

PRODUCT DESCRIPTION

'MRO 8024 - PIPE WRAP' is a moisture curing urethane impregnated fiberglass repair composite bandage packed in a hermetically sealed foil pouch. It is a fast, permanent and instant emergency repair and strengthening system that seals leak even under pressure.

'MRO 8024 - PIPE WRAP' not only restores a pipe to its original pressure rating, but actually can make the repair area stronger than the original pipe, reducing downtime, saving in parts and labor. It is excellent on steel, SS, copper, PVC, FRP, HDPE, PP, CPVC, UPVC, clay, concrete, rubber, and more.

BENEFITS

- Bonds to most of the substrates
- Ready to use & versatile
- Effective & time-saving
- No mixing and no mess
- Sets rock hard in minutes
- Permanent repair
- Corrosion resistant



APPLICATIONS

- Impact protection
- Emergency repair
- Corroded pipes
- Irregular pipe fittings
- Force mains and gravity lines
- Joint and tee repair
- Underwater repair and splash zone

DIRECTIONS FOR USE

SURFACE PREPARATION

- Once the leaking area is identified, shut down relevant pipes or hoses immediately wherever possible.
- Prepare the surface by cleaning and roughening the pipe to ensure maximum adhesion. Prepare area at least 3 times of damaged area
- Put on Nitrile gloves.
- Apply MRO 8051- S Stick/MRO 8052 - Aqua Stick, knead till uniform consistency, press to fill hole/cracks/voids and hold till leakage stops. The mechanical bond that is created in this step is critical to the performance of the repair system.

APPLICATION PROCEDURE

- Open foil pouch and immerse MRO 8024 - Pipe Wrap bandage in temperate fresh water for 10 Seconds to activate. The entire contents must be used once the package is opened within approximately 2 minutes.
- Apply MRO 8024 - Pipe Wrap around the damaged area extending up to 50mm either side of the leak to ensure complete coverage. It is important that the bandage is applied quickly as curing begins once it is taken out of the water.
- Whilst wrapping, pull each layer tightly by using your hand to mould and squeeze the layers together. Continue this action during and upon completion.
- The indirect heat may be applied to accelerate cure times if required
- The wrapping should be done minimum 4 times around pipes or 4 times of wall thickness whichever is higher.
- Keep working the urethane back into the tape while moulding and pressing the tape until it has lost its initial tackiness..
- The higher temperature & chemicals, if within specified limits, do not cause any softening of the bandage

Temp.	Working (Approximate)	Time	Return to Service Time
45°C	1 Min		20 Min
35°C	3 Min		23 Min
21°C	8 Min		28 Min
16°C	10 Min		25 Min
10°C	14 Min		42 Min
6°C	17 Min		184 Min
2°C	20 Min		381 Min

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Technical Properties

PARAMETER	VALUE
Abrasion Resistance Taber Abrasion-CS17/1000 gm	34 mg/1000 cycles
Temperature – Wet	71°C
Temperature – Dry	135°C
Temperature – Intermittent	240°C
Tensile Strength	6000 psi (421.84 kg/cm ²)
Compressive Strength	7380 psi (518.86 kg/cm ²)
Flexural Strength	4550 psi (319.89 kg/cm ²)
Lap Shear Strength	>2000 psi(137.89 bar) (140.61 kg/cm ²)
Hardness	34 Shore D
Max Pressure	2700 psi (189.82 kg/cm ²)
Flexibility	3.2% elongation at break
Active gravity flow leak	15 psi (1.05 kg/cm ²) or less

PRECAUTION

For complete safety and handling information, please refer to Material Safety Data Sheets (MSDS) prior to using this product.

SHELF LIFE & STORAGE

A shelf life of 2 years from date of manufacture can be expected when stored at room temperature (22°C) in their original foil pouch.

HANDLING

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding PPE, safe use, and physical & health hazards. Safety data sheet is available from MRO INFRA or your local MRO INFRA Channel Partner.

DISPOSAL

All used and unused product should be disposed of in accordance with state regulations.

LIMITED WARRANTY

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended MRO INFRA product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

AVAILABLE PACKAGING

1 No (100mm x 9 m) Hermetically sealed foil pouch