



# Metal Aid Engineers

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## MAGIC-WRAP-PIPE & JOINT REPAIR KIT

**MAGIC-WRAP** is resin impregnated water activated fiberglass cloth tape, easy to use, quick action answer, will repair broken parts, arrest pipeline / Tank leakages etc. sets rock hard even under water.

### Where to apply?

PVC, metals, rubber, fiberglass, plastics etc. Under-water, under - ground, and in corrosion protection area.

### In Mediums

Water, acids, soda solutions, fuel oil with water, white spirit, toluene, xylene, diesel, gasoline, gas, air, steam, hydraulic fluids etc.

### TYPICAL APPLICATION: PIPE LEAK SEALING

Clean & Roughen the area to be repaired. Remove any oily or foreign particles

Soak the MAGIC-WRAP in Water for 20 seconds (Using gloves)

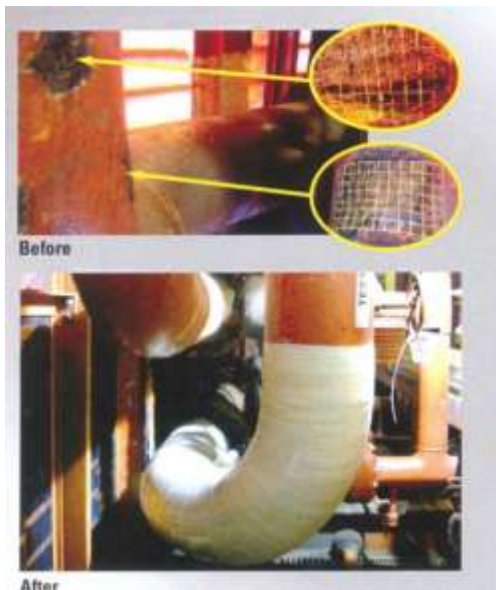
Wrap MAGIC-WRAP the entire roll, approximately 2" above and below the repair area. Wrap as tightly as possible.

Squeeze and mold MAGIC-WRAP in the direction of wrap, removing excess water and spreading resin until tacky to touch. (app.3 Mins)



A minimum of 8 layers of 'MAGIC-WRAP' is required and shall be applied from right to left or from left to right in a spirally maner around the pipe using 50% overlap. At the end of first pass, reverse the direction of the wrap and continue to apply until you have achieved specified number of layers. To achieve 8 layer application, apply 4 passes using a 50% overlap. Occasionally twisting the MAGIC-WRAP as it is applied helps it conform tightly to the pipesurfac atelbows or at odd geometries. Allow 30 minutes for complete curing.

**MULTIPLE ROLLS CAN BE USED FOR LARGER DIAMETER PIPES OR YOU CAN SPECIAL ORDER SIZES OF 4" X 20', 30', or 50'. AS A GENERAL RULE OF THUMB, USE 4-5 FT OF MAGIC-WRAP FOR EVERY INCH OF PIPE DIAMETER.**



In applications wherever wrapping is not possible, like plugging a hole, MAGIC-WRAP should be unraveled and mold into a ball and plugged into the hole and hand pressure can be given for about 5 minutes

### Product Data

#### Tensile strength      Method: ASTM D3039

Hoop PSI      56,700

Axial PSI      21,600

#### Hardness      Shore D

30 minutes      47

2 hours      76

24 hours      83

#### Flexural      Method: ASTM D790 – 3 point flex

Strength PSI      16,100

**Shear Method: ASTM D648**

Strength PSI 7520

**Coeff Of linear exp Method: ASTM D648**

CTLE 1,06E-05

Dielectric strength 16000 volts

Heat resistance 1100°F

**TYPICAL APPLICATIONS**

- impact protection
- emergency repair
- cracked or corroded pipes
- irregular pipe fittings
- force mains and gravity pipe lines
- under water repair and splash zone
- joint and tee repair

**PROPERTIES**

- VOCs; None
- Pressure once cured: 20.6 BARS
- Working Time: 5 Minutes at 24°Celsius
- Set time: 28 minutes at 21 °Celsius

**MAGIC WRAP-SELECTION AND PRICES**

Pipe Diameter	Roll size recommended	Unit
½" - 1"	50 M.M X 1500 M.M	Box= 3 Tapes
1 ¼" - 2"	75 M.M X 2700 M.M.	Box=2 Tapes
> 2"	100 M.M X 4500 M.M	Box= 1 Tape

**Chemical Resistance**

Immersion Chemical	Immersion Time	Effect	Immersion Chemical	Immersion Time	Effect
Distilled Water	60 Days	None	White Spirit	60 Days	None
Sulphuric Acid, 10%	60 Days	None	Toulene	60 Days	None
Sulphuric Acid, 50%	60 Days	None	Xylene	60 Days	None
Hydrochloric Acid, 10%	60 Days	None	Diesel Fuel	60 Days	None
Soda Solution,Saturated	60 Days	None	Gasoline	60 Days	None
Sodium Hydroxide, 20%	60 Days	None	Steam/Gas	60 Days	None
Fuel Oil + % Water	60 Days	None	Hydraulic Fluids	60 Days	None

**TERMS OF SUPPLY**

1. Taxes: CST/Vat Extra as applicable
  2. Packing & Forwarding: Extra @ 3 %
  3. Freight 2% Extra.
  4. Insurance Extra to Your account
  5. Payment 100% Documents Through Bank/ Against Proforma Invoice
  6. Your Bank Charges to your Account and Our Bank Charges To Our Account
  7. Delivery: Immediate on receipt of clear purchase Order From Chennai By RPP
- No L.D Clause Is Applicable.