



108 Pipe Repair Tape

A water activated repair bandage for sealing leaking pipes. Simple to use, cures rapidly, and allows a fast return to service, even on live water leaks.

- Withstands pressures up to 400psi
- Resists temperatures up to 120°C (248°F)
- Seals leaking pipes, including live water leaks

2025 Product Sheet



Typical Applications

108 Pipe Repair Tape is a rapid curing, water activated repair bandage designed for sealing leaking pipes and ensuring a fast return to service. Engineered for live water leaks, it forms a strong, durable bond with minimal surface preparation, making it an ideal solution for emergency repairs across industrial and utility sectors.

- 12.5mm to 400mm pipe diameter

Cure times

Usable Life		Full Cure	
10°C/50°F	6 mins	10°C/50°F	1 hour
20°C/68°F	3 mins	20°C/68°F	30 mins
30°C/86°F	1.5 mins	30°C/86°F	15 mins
40°C/104°F	45 secs	40°C/104°F	7.5 mins

Characteristics

Appearance

Single component Fabric impregnated with resins
Mixed material - White

Solids Content

100%

Storage Life

2 years if unopened and stored in normal dry conditions, 15-30°C (59-86°F)

Mechanical Properties

Cure Times

At 20°C (68°F) the applied materials should be allowed to harden for the times indicated below before being subjected to the conditions indicated. These times will be extended at lower temperatures and reduced at higher temperatures:

Usable Life	3 mins
Full Cure	30 mins

Overcoating Times

Minimum: The applied material can be overcoated as soon as it is touch dry.
Maximum: The overcoating time should not exceed 1 hour. Where the maximum overcoating time is exceeded, the material should be allowed to harden before being abraded to remove surface contamination.

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Mechanical Properties

Corrosion Resistance

Tested to ASTM B117
Minimum 1000 hours

Flexural Strength

Tested to ASTM D790
326kg/cm² (4640psi)

Pressure Resistance

10 wrap system: 50psi/3.4Bar
15 wrap system: 150psi/10.3Bar
20 wrap system: 400psi/27.5Bar

Hardness

Shore D to ASTM D785 64

Adhesion

Tensile Shear to ASTM D1002 on
abrasive blasted mild steel with
75 micron profile 194kg/cm²(2755psi)

Pull off Adhesion to ASTM D4541 on
abrasive blasted mild steel with
75 micron profile 140kg/cm² (2000psi)

Heat Resistance

Suitable for use in operating
conditions at temperatures up to
120°C (248°F)
Intermittent heat up to
260°C (500°F)

Details & Legal

Chemical Resistance

The product resists attack by a
wide variety of inorganic acids,
alkalis, salts and organic media. For
more detailed information refer to
the Resimac Technical Centre for
advice.

Quality

All Resimac Products are supplied
under the scope of the company's
fully documented quality system.

Warranty

Resimac warrants that the
performance of the product
supplied will conform to the typical
descriptions quoted within this
specification provided material is
stored correctly and used
according to the procedures
detailed in this document.

Pack Sizes

This product is available in the
following pack sizes:

50mm x 1.8mtr	2" x 5.9ft
50mm x 3.6mtr	2" x 11.8ft
100mm x 3.6mtr	4" x 11.8ft

Application Guide

A. Surface Preparation

Hand tools such as wire brush, coarse sandpaper & metal file:

- 1 Where possible, isolate and remove all pressure from the line. The repair procedure can be applied over a “live leak” however the success will depend on the volume and pressure of said leak, therefore it is recommended to reduce the flow of liquid as much as possible.
- 2 All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
- 3 All surfaces must be cleaned using wire brush, metal file, coarse sandpaper etc. The use of mechanical tools such as grinders and Bristle blasters can potentially enhance the performance of the system.
- 4 Once abraded, the surface must be degreased and cleaned using MEK or similar type material.
- 5 Cut and hand mix a portion of 103 Metal Repair stick to cover the leak area. Press the material in to repair area and hold in place until cured (up to 5 minutes). Where necessary wrap the uncured 103 Metal repair stick with a 110 Rubber tourniquet to hold the plug in place until cured and then carefully remove the tourniquet (apply materials in accordance with relevant technical data in this document).

Health & Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product.

Before mixing and applying the material, please ensure you have read and fully understood all information.

B. Product Preparation

Prior to mixing, please ensure the following:

- 1 The ambient & surface temperature is above 5°C (41°F).

C. Mixing & Application

- 1 Immerse the bandage in water and squeeze two or three times for about five seconds prior to use.
- 2 Remove roll from water.
- 3 Centre tape over the leaking surface/103 metal repair patch and wrap the bandage around the pipe, extending out on each side to the specified distance (in accordance with the table on the next page), pulling firmly throughout application.
- 4 After 2-3 minutes resin foam will come through the tape, which is desirable and aided by pulling tightly.
- 5 Continue wrapping until the entire roll is applied, and where necessary, apply any further tapes (see table on the next page).
- 6 Wet your gloves in water, smooth & firmly press the wet resin back into the wrap.
- 7 KEEP HANDS MOVING QUICKLY AND WET GLOVES FREQUENTLY TO AVOID STICKING.
- 8 Once the resin has stopped foaming ensure the resin is as smooth as possible and leave to cure.

Bandage Requirements

Guide to pipe diameter, pressure, operating temperature, bandage width & repair width.

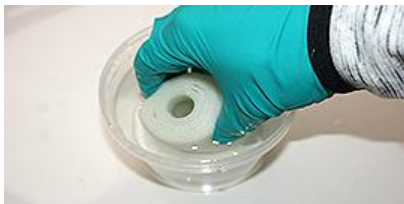
Nominal Pipe Diameter	Minimum repair width	Operating Temperature	Bandage Requirements		
			50psi/3.4Bar (10 wraps min)	150psi/10.3Bar (15 wraps min)	400psi/27.5Bar (20 wraps min)
12.5mm	50mm	120°C (248°F)	1 of 50mm x 1.8M	1 of 50mm x 1.8M	1 of 50mm x 1.8M
25mm	50mm	120°C (248°F)	1 of 50mm x 1.8M	1 of 50mm x 1.8M	1 of 50mm x 1.8M
50mm	55mm	120°C (248°F)	1 of 50mm x 3.6M	1 of 50mm x 3.6M	1 of 50mm x 3.6M
75mm	75mm	120°C (248°F)	1 of 50mm x 3.6M	1 of 100mm x 3.6M	2 of 100mm x 3.6M
100mm	90mm	120°C (248°F)	2 of 50mm x 3.6M	2 of 100mm x 3.6M	2 of 100mm x 3.6M
150mm	120mm	120°C (248°F)	2 of 50mm x 3.6M	3 of 100mm x 3.6M	3 of 100mm x 3.6M
200mm	175mm	120°C (248°F)	2 of 100mm x 9.1M	3 of 100mm x 9.1M	4 of 100mm x 9.1M
300mm	200mm	120°C (248°F)	3 of 100mm x 9.1M	4 of 100mm x 9.1M	5 of 100mm x 9.1M
450mm	240mm	120°C (248°F)	6 of 100mm x 9.1M	8 of 100mm x 9.1M	11 of 100mm x 9.1M

Quick Application Guide



Step 1

Ensure you have:
Foil wrapped 108 pipe repair tape
1 x tub of water
1 x pair of gloves
103 Metal repair stick
110 Rubber tourniquet (optional)



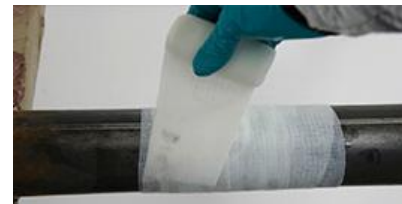
Step 2

Cut the required volume of 103 metal Repair stick, mix by hand until uniform colour and press into leak point. Hold in place until cured or secure with 110 Tourniquet (remove 110 when cured).



Step 3

Open package, submerge the roll in a tub of clean water and squeeze 2 or 3 times and for around 5 seconds.



Step 4

Wrap the tape as tightly as possible, keep the bandage wet and apply the full roll (apply further rolls as required).



Step 5

Once the resin starts to foam wet your hands and massage the surface of the bandage until you have a fully cured hard white resin on the surface of the pipe.

About Resimac

A UK based manufacturer of epoxy and polyurethane coatings and repair materials.

From our head office in the heart of rural North Yorkshire, England we supply our range of Epoxy, Polyurethane & Silicone coatings and repair materials to the Oil & Gas, Petrochemical, Marine, Paper & Pulp, Water, Power Generation & Chemical Industries.

Legal Notice

The data contained within this Product Specification is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Resimac accepts no liability arising out of the use of this information or the product described herein.

Approvals

Approved by BUREAU VERITAS for Surface Protection and Cold Repair Products applied to Marine Vessels. Certificate No: 55268/B0 BV. Expiry: 1st June 2029.

Information & Enquiries

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