

## RESIMETAL 108 Pipe Repair Tape – fast curing water activated pipe repair bandage

**Resimetal 108 Pipe Repair Tape** is a high performance rapid curing moisture activated repair bandage, specifically developed for the repair of leaking pipes, which is activated by immersion in water.

- Apply to hand prepared or mechanically cleaned surfaces
- Rapid curing – fully cured in 30mins
- Up to 72.5psi to 218psi pressure resistance

**ALL PRESSURE MUST BE REMOVED FROM THE PIPE PRIOR TO ANY WORK BEING CARRIED OUT.**

### Cure Times

At 20°C (68F°) 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

### 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
75mm x 3.6mtr	3" x 11.8ft
100mm x 3.6mtr	4" x 11.8ft

### Colour

Mixed material - White

### Over-coating times

Minimum - the applied material can be over-coated as soon as it is touch dry.

Maximum - the over-coating time should not exceed 1 hour.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded to remove surface contamination.

## Low pressure pipe repairs up to 5bar (72.5psi) pressure.

### Surface Preparation – Hand tools such as wire brush, coarse sandpaper & metal file

1. All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
2. All surfaces must be cleaned using wire brush, metal file, coarse sandpaper etc.
3. Once abraded, the surface must be degreased and cleaned using MEK or similar type material.

### Mixing & Application

Prior to mixing please ensure the following:

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

Once this check has been carried out, please proceed with mixing the product.

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 and wrap the bandage around the pipe, 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, building to a minimum thickness of 12mm over the leak (½”).
6. Wet your gloves in water, smooth and 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.

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

Pipe Diameter	Pressure	Maximum Operating Temperature	Repair Width	Bandage Size	Minimum Wraps	Minimum cured bandage thickness
12.5mm/ ½”	72.5psi/ 5bar	120°C	50mm/ 2”	50mm x 1.8mtr/ 2” x 5.9ft	15	7.5mm/0.3”
25mm/ 1”	72.5psi/ 5bar	120°C	50mm/ 2”	50mm x 1.8mtr/ 2” x 5.9ft	15	7.5mm/0.3”
50mm/ 2”	72.5psi/ 5bar	120°C	50mm/ 2”	50mm x 3.6mtr/ 2” x 11.8ft	15	7.5mm/0.3”
75mm/ 3”	72.5psi/ 5bar	120°C	75mm/ 3”	2 of 50mm x 3.6mtr/ 3” x 11.8ft	15	7.5mm/0.3”
100mm/ 4”	72.5psi/ 5bar	120°C	100mm/ 4”	2 of 100mm x 3.6mtr/ 4” x 11.8ft	15	7.5mm/0.3”
125mm/ 5”	72.5psi/ 5bar	120°C	100mm/ 4”	2 of 100mm x 3.6mtr/ 4” x 11.8ft	15	7.5mm/0.3”
150mm/ 6”	72.5psi/ 5bar	120°C	125mm/ 5”	2 of 100mm x 3.6mtr/ 4” x 11.8ft	15	7.5mm/0.3”
200mm/ 8”	72.5psi/ 5bar	120°C	150mm/ 6”	3 of 100mm x 3.6mtr/ 4” x 11.8ft	15	7.5mm/0.3”
250mm/ 10”	72.5psi/ 5bar	120°C	175mm/ 7”	4 of 100mm x 3.6mtr/ 4” x 11.8ft	15	7.5mm/0.3”
300mm/12”	72.5psi/ 5bar	120°C	200mm/8”	2 of 100mmx9.1mtr/ 4”x30ft	15	7.5mm/0.3”
350mm/14”	72.5psi/ 5bar	120°C	200mm/8”	3 of 100mmx9.1mtr/ 4”x30ft	15	7.5mm/0.3”
400mm/16”	72.5psi/ 5bar	120°C	225mm/9”	3 of 100mmx9.1mtr/ 4”x30ft	15	7.5mm/0.3”
450mm/18”	72.5psi/ 5bar	120°C	225mm/9”	3 of 100mmx9.1mtr/ 4”x30ft	15	7.5mm/0.3”

## Medium pressure pipe repairs up to 10bar (145psi) pressure.

### Surface Preparation – Mechanical preparation using handheld grinders with coarse pads

1. All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
2. All surfaces must be cleaned using handheld mechanical grinders with a coarse pad.
3. Once abraded, the surface must be degreased and cleaned using MEK or similar type material.

### Mixing & Application

Prior to mixing please ensure the following:

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

Once this check has been carried out, please proceed with mixing the product.

1. Immerse the bandage in water and squeeze two or three times for about five seconds prior to use.
2. Centre tape over the leaking surface and wrap the bandage around the pipe, pulling firmly throughout application.
3. After 2-3 minutes resin foam will come through the tape, which is desirable and aided by pulling tightly.
4. Continue wrapping until the entire roll is applied, building to a minimum thickness of 15mm over the leak (0.59").
5. Wet your gloves in water, smooth and firmly press the wet resin back into the wrap.
6. KEEP HANDS MOVING QUICKLY AND WET GLOVES FREQUENTLY TO AVOID STICKING.
7. Once the resin has stopped foaming ensure the resin is as smooth as possible and leave to cure.

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

Pipe Diameter	Pressure	Maximum Operating Temperature	Repair Width	Bandage Size	Minimum Wraps	Minimum cured bandage thickness
12.5mm/ ½"	145psi/ 10bar	120°C	50mm/ 2"	50mm x 1.8mtr/ 2" x 5.9ft	20	12.5mm/0.5"
25mm/ 1"	145psi/ 10bar	120°C	50mm/ 2"	50mm x 1.8mtr/ 2" x 5.9ft	20	12.5mm/0.5"
50mm/ 2"	145psi/ 10bar	120°C	50mm/ 2"	2 of 50mm x 3.6mtr/ 2" x 11.8ft	20	12.5mm/0.5"
75mm/ 3"	145psi/ 10bar	120°C	75mm/ 3"	75mm x 3.6mtr/ 3" x 11.8ft	20	12.5mm/0.5"
100mm/ 4"	145psi/ 10bar	120°C	100mm/ 4"	2 of 100mm x 3.6mtr/ 4" x 11.8ft	20	12.5mm/0.5"
125mm/ 5"	145psi/ 10bar	120°C	100mm/ 4"	3 of 100mm x 3.6mtr/ 4" x 11.8ft	20	12.5mm/0.5"
150mm/ 6"	145psi/ 10bar	120°C	125mm/ 5"	3 of 100mm x 3.6mtr/ 4" x 11.8ft	20	12.5mm/0.5"
200mm/ 8"	145psi/ 10bar	120°C	150mm/ 6"	4 of 100mm x 3.6mtr/ 4" x 11.8ft	20	12.5mm/0.5"
250mm/ 10"	145psi/ 10bar	120°C	175mm/ 7"	6 of 100mm x 3.6mtr/ 4" x 11.8ft	20	12.5mm/0.5"
300mm/12"	145psi/ 10bar	120°C	200mm/8"	3 of 100mmx9.1mtr/ 4"x30ft	20	12.5mm/0.5"
350mm/14"	145psi/ 10bar	120°C	200mm/8"	3 of 100mmx9.1mtr/ 4"x30ft	20	12.5mm/0.5"
400mm/16"	145psi/ 10bar	120°C	225mm/9"	3 of 100mmx9.1mtr/ 4"x30ft	20	12.5mm/0.5"
450mm/18"	145psi/ 10bar	120°C	225mm/9"	3 of 100mmx9.1mtr/ 4"x30ft	20	12.5mm/0.5"

## High pressure pipe repairs up to 15bar (218psi) pressure.

### Surface Preparation – Mechanical preparation using handheld grinders with coarse pads

1. All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
2. All surfaces must be cleaned using handheld mechanical grinders with a coarse pad.
3. Once abraded, the surface must be degreased and cleaned using MEK or similar type material.

### Mixing & Application

Prior to mixing please ensure the following:

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

Once this check has been carried out, please proceed with the repair.

1. Immerse the bandage in water and squeeze two or three times for about five seconds prior to use.
2. Centre tape over the leaking surface and wrap the bandage around the pipe, pulling firmly throughout application.
3. After 2-3 minutes resin foam will come through the tape, which is desirable and aided by pulling tightly.
4. Continue wrapping until the entire roll is applied, building to a minimum thickness of 20mm over the leak (0.8").
5. Wet your gloves in water, smooth and firmly press the wet resin back into the wrap.
6. KEEP HANDS MOVING QUICKLY AND WET GLOVES FREQUENTLY TO AVOID STICKING.
7. Once the resin has stopped foaming ensure the resin is as smooth as possible and leave to cure.

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

Pipe Diameter	Pressure	Operating Temperature	Repair Width	Bandage Size	Wraps	Minimum cured bandage thickness
12.5mm/ ½"	218psi/ 15bar	120°C	50mm/ 2"	50mm x 1.8mtr/ 2" x 5.9ft	25	15mm/0.59"
25mm/ 1"	218psi/ 15bar	120°C	50mm/ 2"	50mm x 1.8mtr/ 2" x 5.9ft	25	15mm/0.59"
50mm/ 2"	218psi/ 15bar	120°C	50mm/ 2"	2 of 50mm x 3.6mtr/ 2" x 11.8ft	25	15mm/0.59"
75mm/ 3"	218psi/ 15bar	120°C	75mm/ 3"	75mm x 3.6mtr/ 3" x 11.8ft	25	15mm/0.59"
100mm/ 4"	218psi/ 15bar	120°C	100mm/ 4"	2 of 100mm x 3.6mtr/ 4" x 11.8ft	25	15mm/0.59"
125mm/ 5"	218psi/ 15bar	120°C	100mm/ 4"	2 of 100mm x 3.6mtr/ 4" x 11.8ft	25	15mm/0.59"
150mm/ 6"	218psi/ 15bar	120°C	125mm/ 5"	3 of 100mm x 3.6mtr/ 4" x 11.8ft	25	15mm/0.59"
200mm/ 8"	218psi/ 15bar	120°C	150mm/ 6"	4 of 100mm x 3.6mtr/ 4" x 11.8ft	25	15mm/0.59"
250mm/ 10"	218psi/ 15bar	120°C	175mm/ 7"	6 of 100mm x 3.6mtr/ 4" x 11.8ft	25	15mm/0.59"
300mm/12"	218psi/ 15bar	120°C	200mm/8"	3 of 100mmx9.1mtr/ 4"x30ft	25	15mm/0.59"
350mm/14"	218psi/ 15bar	120°C	200mm/8"	4 of 100mmx9.1mtr/ 4"x30ft	25	15mm/0.59"
400mm/16"	218psi/ 15bar	120°C	225mm/9"	4 of 100mmx9.1mtr/ 4"x30ft	25	15mm/0.59"
450mm/18"	218psi/ 15bar	120°C	225mm/9"	5 of 100mmx9.1mtr/ 4"x30ft	25	15mm/0.59"

## Storage Life

1 year if unopened and store in normal dry conditions (15-30°C/ 60-86°F)

## Other Technical Documents

Quick Application Guide	-	Hand application
Safety Data Sheets	-	Single component
Product Specification Sheet	-	Technical Performance Information

## Health and Safety

Please ensure good practice is observed at all times. Protective gloves, goggles & a disposable coverall must be worn during the mixing and application of this product. Before mixing and applying the material ensure you have read the fully detailed Safety Data Sheet.

## Legal Notice:

The data contained within this Technical Data Sheet 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 if the product is suitable for use. Resimac accepts no liability arising out of the use of this information or the product described herein.