

Emergency Pipe Repair

10mm to 400mm diameter pipework

Manual Prep

72.5psi or less

120°C or less

<p>103 Metal Repair Stick</p> <p>Multi purpose fast curing solvent free epoxy repair putty in stick form</p>	<p>Abrade all surfaces with coarse emery paper</p> <p>Degrease all surfaces and ensure they are dry</p>	<p>Plug any holes or cracks using 103 Metal Repair Stick</p> <p>Wrap 108 Pipe Repair Tape around the repair surface</p> <p>Ensure the tape has a minimum dry film thickness of 12mm (1/2") over the hole or crack</p>
<p>108 Pipe Repair Tape</p> <p>Water activated fast curing pipe bandage for wrapping leaking pipe work</p>		

Mechanical Prep

145psi or less

120°C or less

<p>103 Metal Repair Stick</p> <p>Multi purpose fast curing solvent free epoxy repair putty in stick form</p>	<p>Abrade all surfaces using handheld mechanical grinders</p> <p>Degrease all surfaces and ensure they are dry</p>	<p>Plug any holes or cracks using 103 Metal Repair Stick</p> <p>Wrap 108 Pipe Repair Tape around the repair surface</p> <p>Ensure the tape has a minimum dry film thickness of 12mm (1/2") over the hole or crack</p>
<p>108 Pipe Repair Tape</p> <p>Water activated fast curing pipe bandage for wrapping leaking pipe work</p>		

Epoxy Resin Pipe Encapsulation

25mm to 1200mm diameter pipework

Manual Prep

72.5psi or less

120°C or less

<p>103 Metal Repair Stick</p> <p>Multi purpose fast curing solvent free epoxy repair putty in stick form</p>	<p>Abrade all surfaces with coarse emery paper</p> <p>Degrease all surfaces and ensure they are dry</p>	<p>Plug any holes or cracks using 103 Metal Repair Stick</p> <p>Apply 301 Epoxy Resin and Hardener at 1mm wet film thickness to the repair surface</p> <p>Wrap glass tape around the pipe, with a 50% overlap</p> <p>Ensure 3 layers of resin and 3 wraps of glass tape are applied</p>
<p>301 Epoxy Resin and Hardener</p> <p>Solvent free epoxy gel to be used in conjunction with 50mm or 100mm glass tape</p>		
<p>701/ 703 Glass Tape</p> <p>Woven glass scrim 50mm or 100mm in diameter</p>		

Manual Prep

100psi or less

120°C or less

<p>302 Epoxy Repair Cement</p> <p>Multi purpose solvent free epoxy repair paste for metallic surfaces (<i>104 Metal Repair Fluid XF must be used for oil contaminated surfaces</i>)</p>	<p>Abrade all surfaces with coarse emery paper</p> <p>Degrease all surfaces and ensure they are dry</p>	<p>Apply 302 Epoxy Repair Cement to the repair area at a minimum 1-2mm wet film thickness</p> <p>Apply 301 Epoxy Resin and Hardener at 1mm wet film thickness to the repair surface</p> <p>Wrap glass tape around the pipe, with a 50% overlap</p> <p>Ensure 3 layers of resin and 3 wraps of glass tape are applied</p>
<p>301 Epoxy Resin and Hardener</p> <p>Solvent free epoxy gel to be used in conjunction with 50mm or 100mm glass tape</p>		
<p>701/ 703 Glass Tape</p> <p>Woven glass scrim 50mm or 100mm in diameter</p>		

Mechanical Prep

150psi or less

150°C or less

<p>302 Epoxy Repair Cement</p> <p>Multi purpose solvent free epoxy repair paste for metallic surfaces (<i>106 Metal Repair Paste XF can be used for a faster curing solution</i>)</p>	<p>Abrade all surfaces using handheld mechanical grinders</p> <p>Degrease all surfaces and ensure they are dry</p>	<p>Apply 302 Epoxy Repair Cement to the repair area at a minimum 1mm wet film thickness</p> <p>Apply 301 Epoxy Resin and Hardener at 1mm wet film thickness to the repair surface</p> <p>Wrap glass tape around the pipe, with a 50% overlap</p> <p>Ensure 3 layers of resin and 3 wraps of glass tape are applied</p>
<p>301 Epoxy Resin and Hardener</p> <p>Solvent free epoxy gel to be used in conjunction with 50mm or 100mm glass tape</p>		
<p>701/ 703 Glass Tape</p> <p>Woven glass scrim 50mm or 100mm in diameter</p>		

Blast Clean

300psi or less

150°C or less

302 Epoxy Repair Cement

Multi purpose solvent free epoxy repair paste for metallic surfaces *(101 and 107 metal repair paste can be used for this repair)*

301 Epoxy Resin and Hardener

Solvent free epoxy gel to be used in conjunction with 50mm or 100mm glass tape

701/ 703 Glass Tape

Woven glass scrim 50mm or 100mm in diameter

Abrasive blast clean all surfaces using aluminium oxide angled grit. Surface cleanliness must be to *ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)*

Degrease all surfaces and ensure they are dry

Apply 302 Epoxy Repair Cement to the repair area at a minimum 1mm wet film thickness

Apply 301 Epoxy Resin and Hardener at 1mm wet film thickness to the repair surface

Wrap glass tape around the pipe, with a 50% overlap

Ensure 3 layers of resin and 3 wraps of glass tape are applied

Cold Bond Steel Plate with Epoxy Resin

100mm to 1200mm diameter pipework

Manual Prep

100psi or less

150°C or less

106 Metal Repair Paste XF

Multi purpose fast curing solvent free epoxy repair paste

301 Epoxy Resin and Hardener

Solvent free epoxy gel to be used in conjunction with 50mm or 100mm glass tape

701/ 703 Glass Tape

Woven glass scrim 50mm or 100mm in diameter

Abrade all surfaces with coarse emery paper

Degrease all surfaces and ensure they are dry

Coat pre-formed steel plate with 5-6mm of 106 Metal Repair Paste XF

Place the coated steel plate onto the surface and if required strap in place until the resin has set hard

Apply 301 Epoxy Resin and Hardener at 1mm wet film thickness to the repair surface

Wrap glass tape around the pipe, with a 50% overlap

Ensure 2 layers of resin and 2 wraps of glass tape are applied

Mechanical Prep

200psi or less

150°C or less

101 Metal Repair Paste

Multi purpose solvent free epoxy repair paste for metallic surfaces *(use 107 Metal Repair Paste XL if a longer pot life is required)*

Abrade all surfaces using handheld mechanical grinders

Degrease all surfaces and ensure they are dry

Coat pre-formed steel plate with 5-6mm of 101 Metal Repair Paste

Place the coated steel plate onto the surface and if required strap in place until the resin has set hard

Ensure the steel is oversized by 100mm in all directions from the damaged pipe surface

Mechanical Prep

250psi or less

150°C or less

101 Metal Repair Paste

Multi purpose solvent free epoxy repair paste for metallic surfaces *(use 107 Metal Repair Paste XL if a longer pot life is required)*

301 Epoxy Resin and Hardener

Solvent free epoxy gel to be used in conjunction with 50mm or 100mm glass tape

701/ 703 Glass Tape

Woven glass scrim 50mm or 100mm in diameter

Abrade all surfaces using handheld mechanical grinders

Degrease all surfaces and ensure they are dry

Coat pre-formed steel plate with 5-6mm of 101 Metal Repair Paste

Place the coated steel plate onto the surface and if required strap in place until the resin has set hard

Apply 301 Epoxy Resin and Hardener at 1mm wet film thickness to the repair surface

Wrap glass tape around the pipe, with a 50% overlap

Ensure 3 layers of resin and 3 wraps of glass tape are applied

Blast Clean

300psi or less

150°C or less

101 Metal Repair Paste

Multi purpose solvent free epoxy repair paste for metallic surfaces *(use 107 Metal Repair Paste XL if a longer pot life is required)*

301 Epoxy Resin and Hardener

Solvent free epoxy gel to be used in conjunction with 50mm or 100mm glass tape

701/ 703 Glass Tape

Woven glass scrim

Abrasive blast clean all surfaces using aluminium oxide angled grit. Surface cleanliness must be to *ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)*

Degrease all surfaces and ensure they are dry

Coat pre-formed steel plate with 5-6mm of 101 Metal Repair Paste

Place the coated steel plate onto the surface and if required strap in place until the resin has set hard

Apply 301 Epoxy Resin and Hardener at 1mm wet film thickness to the repair surface

Wrap glass tape around the pipe, with a 50% overlap

Ensure 3 layers of resin and 3 wraps of glass tape are applied

Emergency Pipe Repair

Manual Preparation

108 Pipe Repair Tape 75mm x 3.6mtr



Manual Prep

72.5psi or less

120°C or less

Emergency Pipe Repair

Mechanical Preparation

108 Pipe Repair Tape 75mm x 3.6mtr



Mechanical Prep

145psi or less

120°C or less

Epoxy Resin Pipe Encapsulation

Manual Preparation

301 Epoxy Resin & Hardener with Glass Tape



Manual Prep

72.5psi or less

120°C or less

Epoxy Resin Pipe Encapsulation

Manual Preparation
Oily Surface

104 Metal Repair Fluid XF

301 Epoxy Resin & Hardener with Glass Tape



Manual Prep

100psi or less

120°C or less

Epoxy Resin Pipe Encapsulation

Mechanical Preparation

302 Epoxy Repair Cement

301 Epoxy Resin & Hardener with Glass Tape



Mechanical Prep

150psi or less

150°C or less

Cold Bond Steel Plate with Epoxy Paste

Manual Preparation

101 Metal Repair Paste



Manual Prep

100psi or less

150°C or less

Cold Bond Steel Plate with Epoxy Paste

Manual Preparation

106 Metal Repair Paste XF



Manual Prep

100psi or less

150°C or less

Cold Bond Steel Plate with Epoxy Paste

Mechanical Preparation

101 Metal Repair Paste



Mechanical Prep

200psi or less

150°C or less

Cold Bond Steel Plate with Epoxy Paste

Mechanical Preparation

101 Metal Repair Paste

301 Epoxy Resin & Hardener with Glass Tape



Mechanical Prep

250psi or less

150°C or less

Cold Bond Steel Plate with Epoxy Paste

Abrasive Blast Clean

101 Metal Repair Paste

301 Epoxy Resin & Hardener with Glass Tape



Blast Clean

300psi or less

150°C or less