

# **AFP™ FIBRE FIX INDUSTRIAL PIPE REPAIR KIT**

COPPER - RUBBER - PVC - METAL - FIBREGLASS - HDPE - & MORE



DOMESTIC - AGRICULTURE - MINING - INDUSTRIAL - PLUMBING - MARINE



**APP**  
FIBRE FIX



## AFP FIBRE FIX INDUSTRIAL PIPE REPAIR KIT

AFP FIBRE FIX INDUSTRIAL PIPE REPAIR KIT is an instant emergency pipe & general repair system that is simple to use and produces a strong and reliable repair within just minutes. AFP FIBRE FIX bandages have a woven fibreglass substrate impregnated with a water-activated urethane resin. Included in every Kit is a one-use AFP STEEL PUTTY if required to plug holes or to even out the repair area prior to application of the fibreglass bandage.

Major industries such as the mining, industrial, marine, domestic and agricultural environments are specific markets and areas of use for AFP FIBRE FIX Industrial Pipe Repair Kit.

The ability of AFP FIBRE FIX KIT to perform effectively in emergency situations greatly reduces costly downtime and production loss. Because of the product's ease of use, it can be applied by practically any apprentice applicator. AFP FIBRE FIX Industrial Pipe Repair Kit can produce a successful long lasting repair within 30 minutes and so it should be made available to all maintenance staff within your industry.



### Mining

Ideal for repairs to water, chemical and slurry pipelines, ventilation ducting, etc. Both underground and on the surface such as coal wash plants, processing areas and mineral handling, dewatering etc.



### Industrial

Repairing of process pipes carrying oils, solvent, water, gas, steam and a wide variety of liquids such as in factories, power stations, sugar mills, petroleum production, paper and general manufacturing.



### Marine

Quick repair of leaking pipes on all types of marine-crafts, including fishing, merchant and naval vessels as well offshore installations.



### Plumbing

Handy for emergency and permanent repairs especially with the diverse situations a plumber faces on a continuous basis.



### Domestic

Leaking toilets, drain pipes, pool hoses, water pipes, fixing hammers, picks, axes are but a few household applications.



### Agriculture

A quick and effective solution in both the commercial and general farming industry.



## AFP FIBRE FIX INDUSTRIAL PIPE REPAIR KIT

### INDUSTRIAL PIPE REPAIR KIT

AFP FIBRE FIX Pipe Repair Kit is used in all industries where a leakage occurs including water pipelines, sludge & slurry pipelines, gas pipelines, oil pipelines, chemical pipelines, domestic pipes, drain pipes, etc.

The Kit consist of

1. AFP FIBRE FIX BANDAGE
2. AFP STEEL PUTTY
3. NITRILE GLOVES
4. SANDPAPER
5. INSTRUCTIONS



#### AFP FIBRE FIX BANDAGE SPECIFICATIONS

Heat Resistance	-45°C / +280°C Intermittent
Heat Resistance	-40°C / +180°C Continuous
Tensile Strength	35000 Psi
Flexural Strength	28000 Psi
Shore Hardness	85
Working Time	± 2 Minutes
Hard to the Touch	4-6 Minutes
Curing Time	15 Minutes @ 32°C
Curing Time	30 Minutes @ 21°C
Application Pressure	Up to 2700Psi

#### FEATUERS

Water activated
Safe for drinking water pipes
Resistant to most Chemicals
Impervious
Quick repair
No special tools required
High pressure repairs
Large diameter repairs
Permanent repairs
Repair most any material

Pressure results will vary according to pipe material, diameter, size of hole or fracture and workmanship.

#### AFP FIBRE FIX BANDAGE CHEMICAL RESISTANCE

CHEMICAL	RESULT	CHEMICAL	RESULT
Hydrochloric Acid 30%	Discolouration	MEK	No Change
Sulphuric Acid 10%	Discolouration	Ethyl Alcohol	No Change
Sulphuric Acid 30%	No Change	Acetone	Softened
Nitric Acid 10%	No Change	Toluene	No Change
Acetic Acid 10%	Slight Blisters	Gasoline	No Change
Lactic Acid 30%	Slight Blisters	Diesel Fuel	No Change
Formic Acid 10%	No Change	Cresol	Damaged
Caustic Soda 50%	No Change	Methylene Chloride	Damaged



## AFP FIBRE FIX INDUSTRIAL PIPE REPAIR KIT

**AFP STEEL PUTTY SPECIFICATIONS**






NET.57g

**STEEL PUTTY**

**TWO PART EPOXY**



### BANDANGE SIZE REQUIRED: PIPE DIAMETER & PSI RATING

#### 50mm x 1.5m

PIPE SIZE	50psi 10 Plys	150psi 15 Plys	400psi 20 Plys
15mm	1 x Roll	1 x Roll	1 x Roll
20mm	1 x Roll	1 x Roll	1 x Roll
25mm	1 x Roll	1 x Roll	1 x Roll
32mm	1 x Roll	1 x Rolls	2 x Rolls
40mm	1 x Roll	2 x Rolls	2 x Rolls

#### 100mm x 2.5m

PIPE SIZE	50psi 10 Plys	150psi 15 Plys	400psi 20 Plys
40mm	1 x Roll	1 x Roll	1 x Roll
50mm	1 x Roll	1 x Roll	2 x Rolls
65mm	1 x Roll	2 x Rolls	2 x Rolls
80mm	1 x Roll	2 x Rolls	3 x Rolls
100mm	2 x Roll	2 x Rolls	3 x Rolls

#### 100mm x 3.6m

PIPE SIZE	50psi 10 Plys	150psi 15 Plys	400psi 20 Plys
65mm	1 x Roll	1 x Roll	2 x Rolls
80mm	1 x Roll	1 x Roll	2 x Rolls
100mm	1 x Roll	2 x Rolls	2 x Rolls
125mm	1 x Roll	2 x Rolls	3 x Rolls
150mm	2 x Rolls	2 x Rolls	3 x Rolls

#### 100mm x 4.8m

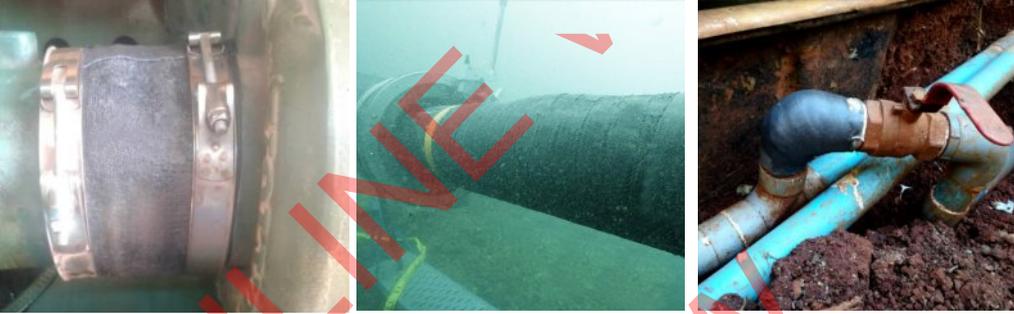
PIPE SIZE	50psi 10 Plys	150psi 15 Plys	400psi 20 Plys
65mm	1 x Roll	1 x Roll	1 x Roll
80mm	1 x Roll	1 x Roll	2 x Rolls
100mm	1 x Roll	1 x Roll	2 x Rolls
125mm	1 x Roll	2 x Rolls	2 x Rolls
150mm	1 x Roll	2 x Rolls	3 x Rolls
180mm	2 x Rolls	2 x Rolls	3 x Rolls

#### 100mm x 6.5m

PIPE SIZE	50psi 10 Plys	150psi 15 Plys	400psi 20 Plys
100mm	1 x Roll	1 x Roll	1 x Roll
125mm	1 x Roll	1 x Roll	2 x Rolls
150mm	1 x Roll	2 x Rolls	2 x Rolls
180mm	1 x Roll	2 x Rolls	2 x Rolls
200mm	1 x Rolls	2 x Rolls	2 x Rolls
225mm	2 x Rolls	2 x Rolls	2 x Rolls
250mm	2 x Rolls	2 x Rolls	3 x Rolls

#### 100mm x 15.2m

PIPE SIZE	50psi 10 Plys	150psi 15 Plys	400psi 20 Plys
250mm	1 x Roll	1 x Roll	2 x Rolls
315mm	1 x Roll	1 x Roll	2 x Rolls
355mm	1 x Roll	2 x Roll	2 x Rolls
400mm	1 x Roll	2 x Rolls	2 x Rolls
456mm	1 x Roll	2 x Rolls	2 x Rolls
500mm	1 x Roll	2 x Rolls	2 x Rolls
560mm	2 x Rolls	2 x Rolls	2 x Rolls
630mm	2 x Rolls	2 x Rolls	2 x Rolls
710mm	2 x Rolls	3 x Rolls	3 x Rolls
800mm	2 x Rolls	3 x Rolls	4 x Rolls
1000mm	2 x Rolls	3 x Rolls	5 x Rolls



## INSTRUCTIONS

### APPLICATION INSTRUCTIONS

#### AFP FIBRE FIX INDUSTRIAL PIPE REPAIR KIT

1. Shut down where damaged and relieve all pressure. Abrade area and remove oil, grease and loose rust.
2. Put on the latex gloves provided.
3. Mix AFP STEEL PUTTY provided & press firmly into the crack, hole or void where and if required.
4. Remove AFP FIBRE FIX bandage and immerse in water for 5-10 seconds. Squeeze out excess water.
5. Apply AFP FIBRE FIX to the pipe (or other repair) by firmly and tightly wrapping the bandage to at least 50mm past the damaged area on each side with 5-20 layers. Refer to page 2 for number of plies required "Bandage Size Required: Pipe Diameter & PSI Rating"  
Application time is  $\pm 2$  minutes.
6. Whilst wrapping, pressure must be applied by hand to ensure that no air is entrapped between the layers by moulding and squeezing the bandage, smoothing the area while the curing process is starting to take effect. Initially mould in the direction of the applied wrap.
  - As the infused resin starts to cure bubbling will occur, continue to mould and rework the resin back into the bandage in a back and forth motion applying pressure. Moulding needs to continue until the bandage is hard and no reaction is visible.
  - The entire bandage must be used.
  - When sticky water and or oil can be applied for extra moulding.
  - Bandage will get slightly hot while resin is activated



**HARD TO THE TOUCH 4-6 MINUTES**

**SETS ROCK HARD IN 15 MINUTES @ 32°C AND 30 MINUTES @ 21°C**

THE QUALITY OF THE FIX IS DIRECTLY DETERMINED BY THE WORK OF THE APPLICATOR



ROCK HARD IN



LESS THAN 30MIN

#### ATTENTION:

1. The pipe repair kit is best applied to rough surfaces. If the surface of the pipe is covered in peeling rust, remove the rust before application.
2. A couple of rolls of bandage can be applied in one place if needed.
3. Use enclosed protective gloves & avoid contact with eyes, skin or clothing.
4. In case of contact with eyes, flush immediately with water and get medical attention.  
Keep out of reach of children and pets
5. Please refer to MSDS for more information



**FP**  
**FIX**



**AFP**<sup>TM</sup>  
**FIBRE FIX**

**INDUSTRIAL  
PIPE REPAIR KIT**



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