# Rapp-it

# Pipe Repair Bandages


**The ULTIMATE Pipe Repair System with NATO Certification.**

Rapp-it includes a woven fiberglass bandage impregnated with a water-activated polyurethane resin and a 50mm (2”) stick of Rapp-it Steel Putty.

With no mixing or measuring a successful pipe repair can be achieved in only 30 minutes!

**RAPP-IT IS SUITABLE FOR USE ON:**

- Most types of pipes
- Up to 360 psi (2500 kpa)
- 150 C°
- Potable water
- Sea water
- Acid
- MDISC
- All fuels
- Oil
- Gas

| PART No. | FIVE CONVENIENT SIZES |
|---|---|
| RAP122 | 50mm x 3.6m (2”x 12’) |
| RAP123 | 75mm x 3.6m (3”x 12’) |
| RAP124 | 100mm x 3.6m (4”x 12’) |
| RAP164 | 100mm x 4.8m (4”x 16’) |
| RAP304 | 100mm x 9.0m (4”x 30’) |

**www.piperepair.com.au**

*A successful pipe repair can be achieved in 6 simple steps!*







# Why Use Rapp-it?

## RAPP-IT IS THE SMART TEMPORARY ALTERNATIVE TO CHANGE OUTS ONSITE.

**Use Rapp-it to delay changing out pipes**

- NATO Certification
- Allows time for more effective shut down planning
- Fewer shut downs save time and money
- Save on costly downtime
- Extends life of the pipe

**Rapp-it as a temporary solution has many other benefits:**

- 30 minute repair
- Able to be applied by any applicator
- Versatile – can go on different pipe sizes, shapes (elbows etc) and substrates
- Cost efficient
- OHS benefits – leaks are stopped faster
- On hand at all times – 2 years shelf life

## Additional to leak repairs, Rapp-it can also be used as corrosion protection and noise reduction.


## RAPP-IT PIPE REPAIR BANDAGE SPECIFICATIONS

| | |
|---|---|
| **Catalyst** | Water |
| **Resin Make Up** | Polyurethane |
| **Heat Resistance** | 150°C |
| **Bonds** | Copper Pipe, PVC, Metal, Polypipe, Fibreglass |
| **Sets** | 20-30 minutes. Sets under water |
| **Chemical Fuels and Oil Resistant** | Most diluted chemicals and fuels |
| **Strength Qualities** | Internal Pressure up to 2500kPa (360psi) |

## RAPP-IT STEEL PUTTY SPECIFICATIONS

| | |
|---|---|
| **Hardness, Shore D (full cure)** | 75 – 85 |
| **Heat Resistance** | 150°C (300°F) |
| **Set Time** | Approximately 3 minutes |
| **Chemical resistance** | Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions, and dilute acids and bases |

# Rapp-it Testing

## NATO CERTIFICATION

Rapp-it has been granted NATO Certification.
Our NATO Stock Number is 4730-66-1257893.

## POTABLE (DRINKING) WATER

Rapp-it Bandages and Rapp-it Steel Putty are safe for use on potable (drinking) water. Our Rapp-it Bandage is compliant to Australian Standard AS/NZS 4020:2005. Our Rapp-it Steel Putty is compliant to US Standard NSF 61.

## PRESSURE TESTING

Proof pressure test successful at 565 PSI (3895 kPa) on 50mm poly pipe with 10mm drilled hole.

Proof pressure test successful at 1160 PSI (8000 kPa) on 25mm poly pipe with 10mm drilled hole.

*Pressure rating will change according to type of pipe, diameter and damage.

**For more information, please contact us on +61 7 3262 3755.**

## TEMPERATURE TESTING

Three Simultaneous Thermal Analysis tests were performed on Rapp-it Pipe Repair System. The resulting continuous temperature limit is 150 degrees Celsius. Rapp-it can withstand intermittent temperatures up to 250 degrees Celsius. Please refer to MSDS for more information.

## RAPP-IT BANDAGE CHEMICAL RESISTANCE

50mm (2") Rapp-it Pipe Repair Bandages were rolled to five layers and submerged in the following chemicals for a period of one month.
The changes, if any, are outlined below.

## IMMERSION TESTING RESULTS

| | | |
|---|---|---|
| **Hydrochloric Acid 30%** | Severe discolouration (bandage turned deep yellow-green) | No softening of bandage |
| **Sulfuric Acid 92%** | Severe discolouration | No softening of bandage |
| **Caustic Soda 50%** | Slight colour change | No softening of bandage |
| Ethyl Alcohol | No visible change | No softening of bandage |
| MEK | Moderate discolouration | No softening of bandage |
| Acetone | No visible change | No softening of bandage |
| Toluene | No visible change | No softening of bandage |
| Gasoline | No visible change | No softening of bandage |
| Diesel Fuel | Slight colour change | No softening of bandage |

# Marketplaces

**COAL MINES**
Coal preparation wash plants: MDISC, water, slurry and sludge lines etc.
Emergency repairs to leaking pipes.

**GOLD MINES**
Processing plant: chemical, sludge, slurry and by-product/waste pipes.
Emergency repairs to chemical supply lines.

**BAUXITE MINES**
Processing plant: refinery/alumina section.
Emergency repairs to sludge and chemical lines.

**COPPER & ZINC SMELTING**
Processing: water, sludge and slurry lines.
Emergency repairs.

**STEEL SMELTER WORKS**
Processing: water and waste product pipes.
Emergency repairs until shutdown.

**SHEET & COIL MANUFACTURING**
Processing: water pipes and slurry lines.
Emergency repairs to burst pipes.

**PETROLEUM**
Oil, gas and water supply lines.
Emergency repairs to fuel, oil and gas lines during 24 hour shift.

**SUGAR MILLS**
Corrosive fluid lines, abrasive product pipes, low pressure and water.
Emergency repairs to corrosive, water and abrasive lines.

**POWER STATIONS**
Ash transfer systems, pulverised fuel tubes and cooling water lines.
Emergency repairs to transfer systems and lines.

**MERCHANT SHIPPING**
Engine room.
Emergency repairs while at sea to fuel, oil, water and waste lines.
Damage control within engine room and fire fighting facilities.

**Over 80% of processing mine sites in Australia use Rapp-it Pipe Repair Bandages.**

**Rapp-it is also used internationally with customers in Singapore, UK, PNG, NZ, South Africa, South America, Thailand and many other locations.**


**MARINE & INDUSTRIAL MARKETING PTY LTD**

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