







# **REPAIR WRAP**

**WITH STEEL PUTTY**

-  **Water Activated!**
-  **No Mixing!**
-  **Sets Rock Hard in Minutes!**
-  **No Mess!**



[www.densoaustralia.com.au](http://www.densoaustralia.com.au)

## About Repair Wrap

Repair Wrap is a two part system consisting of fibreglass fabric carrier impregnated with a water activated resin and an extremely chemical resistant steel putty.

Repair Wrap's high strength adhesiveness combined with its ability to set underwater provides quick repair to tool handles, engine hoses, hulls, ladders and fences. It also makes an ideal application in splash zones, providing piling and corrosion protection, reinforcement and protection for electrical installation.

Also perfect around the home for all types of pipes including stainless steel, copper, PVC, steel, rubber, concrete, metal, galvanised, fiberglass or polypropylene.

## Why Repair Wrap?

It sets in 30 minutes, simple application and easy to follow instructions. Repair Wrap's packaging is moisture proof and is available in four different sizes.



## What size Repair Wrap kit do you need?

Pipe Diameter	Repair Wrap Kit		
	75mm x 3 metres	100mm x 3 metres	100mm x 4.5 metres
5mm - 25mm			
26mm-50mm			
51-70mm			
71-110mm			
111mm+			

Product code	Size
M220075	75mm x 3.0m roll
M220100	100mm x 3m roll
M230100	100mm x 4.5m roll



# REPAIR WRAP

## Directions for use:

Relieve any pressure in the pipe before commencing. Clean and roughen area to be repaired. Sand or smooth down any sharp protruding edges.



Knead putty until a uniform colour is achieved.

Apply to leak site within two minutes of mixing. Force into any cracks or holes. Repair Wrap must be applied prior to the putty curing (approx. 30 minutes) in order for the putty to adhere to the outer wrap.



Wearing the enclosed gloves remove the Repair Wrap from the foil pouch and soak the roll in temperate water for 20 seconds.

Using the entire Repair Wrap roll approximately 50mm above the repair area and continue to wrap approximately 50 mm below the repair area. A minimum eight layers recommended.



Squeeze and mould Repair Wrap in the direction of the wrap, removing excess water and spreading resin until it is tacky to touch. Allow 30 minutes for resin to set.

# REPAIR WRAP

## Product Technical Data

<b>Description:</b>	Designed for depressurised pipe repair applications on copper, steel, stainless steel, PVC, fibre-reinforced plastic, concrete, rubber and more.												
<b>Composition:</b>	A two part system consisting of fibreglass fabric carrier impregnated with a water activated resin and an extremely chemical resistant steel putty.												
<b>Characteristics:</b>	VOC free, water activated, no mixing or special tools required. Flexible, long lasting, accommodates vibration or extreme movement. High strength, economical permanent repair. Highly resistant to heat and chemical attack. Provides abrasion, corrosion, and dielectric protection. Repair Wrap will adhere and remain attached to all cleaned, sound, wet or dry surfaces. Sets rock hard in minutes. At 24°C only 30 minutes for complete cure. Working time: 5 minutes at 24°C.												
<b>Uses:</b>	Depressurised leak repair on joints, pinholes and cracks. Pressure once cured: 300 psi (20.6 bar) maximum. Accommodate pipes from 1/2" - 10". Repairs and reinforcement for water, steam, sewage, air and fuel pipes. Structural repairs and the sealing of joints, tees, couplings and pinholes. Corrosion protection, sealing, water proofing including immersed substrates. Electrical insulation and dielectric protection. Compatible with many substrates including, ferrous & non-ferrous metals, PVC/plastics, fiberglass, cement, rubber and wood.												
<b>Surface preparation and application:</b>	Release pressure from area to be repaired. Clean and roughen area at least 50 mm above and below the repair site using wire brush and sanding cloth to remove excess rust, dirt or loose scale. Firmly adherent rust and scale need not be removed. Remove any grease or oil substances using solvent cleaning wipe. Twist and knead steel putty until a uniform colour is achieved. Apply to leak site within two minutes of mixing. Force into any cracks or holes. Following this Denso Repair Wrap must be applied prior to the putty curing (approx. 30 minutes at 24°C). Remove Denso Repair Wrap tape from pouch and soak with temperate water for about 10 seconds. Apply tape at least 50 mm above and below leak. Use entire roll of tape in one repair. Squeeze and mould by hand in the direction of the wrap, removing excess water and spreading the resin until tacky to touch. Allow 30 minutes (at 24°C) for complete cure. A minimum 2 to 3 Plies of tape should be applied.												
<b>Recommended temperatures:</b>	Application: +15 to + 90°C                      Service: - 20 to + 200°C                      Peak: +204°C												
<b>Storage:</b>	Store in a cool, dry area away from direct sunlight. Storage temperature: + 5 to + 44°C. Care must be taken when handling hermetically sealed foil pouch. If punctured, the product will be exposed to atmospheric moisture and may cure inside the foil pouch. Shelf life: ≥ 2 years, under recommended storage conditions												
<b>Available sizes:</b>	Roll Widths: 75mm, 100mm                      Roll Lengths: 3 metres, 100mm also in 4.5m length												
<b>Physical properties:</b>	<table border="1"><thead><tr><th>Test</th><th>Method</th><th>Units</th><th>Value</th></tr></thead><tbody><tr><td>Tensile Strength</td><td>ASTM D638</td><td>MPa</td><td>248</td></tr><tr><td>Lap Shear Strength</td><td>ASTM D5379</td><td>KPa</td><td>6200</td></tr></tbody></table>	Test	Method	Units	Value	Tensile Strength	ASTM D638	MPa	248	Lap Shear Strength	ASTM D5379	KPa	6200
Test	Method	Units	Value										
Tensile Strength	ASTM D638	MPa	248										
Lap Shear Strength	ASTM D5379	KPa	6200										
<b>Precautions:</b>	Do not take internally. Keep out of reach of children. Avoid hazards by following all precautions found in any available Safety Data Sheets, product labels and technical literature.												

All statements and data presented herein are given in good faith and believed to be appropriate and reliable. It is given without express or implied warrant or guarantee. Potential users of our materials are urged to conduct confirmatory trials to satisfy themselves as to the suitability of the selected product for their particular end use, prior to purchase.



**DENSO (AUSTRALIA) PTY LTD**

77-95 National Boulevard, Campbellfield, Victoria 3061 | Telephone: +61 3 9356 7600 | Facsimile: +61 3 9356 7699

[www.densoaustralia.com.au](http://www.densoaustralia.com.au)