

# TITAN SEAL

A burst, leaking or broken pipe is one of the biggest problems in industry today. Normally it leads to draining down the system in order to effect a repair, which can be costly or time consuming. That's where Titan Seal comes in.

### What is Titan Seal?

Quite simply, Titan Seal is one of the most effective pipe repair systems on the market today. It comprises of Uniwrap, an elastomer strip with velcro attachment which will grip onto any surface even under pressure, Steel Stick and Cayman Rapid with its proven strength and durability. There is no longer any need to turn the system off.

### How does Titan Seal work?

Titan Seal will bond to anything: metal, plastic, clay, cast iron, rubber, lead, concrete. You do not have to have a dry surface or reduce pressure in the pipe. It will mend joints, T-pieces, elbows - even pipes of dissimilar sizes! Titan Seal is the ultimate maintenance repair tool. It can be used in the workshop or on site.

- 1.) Key the area with Dura-brade, then remove any dirt or grease.
- 2.) Break off enough of the Steel Stick to cover the defect, knead into a uniform colour.
- 3.) Place the Steel Stick below the defect away from the flow of water (eg if the water is coming toward you, the Steel Stick goes on the opposite side of the pipe).
- 4.) Start wrapping the Uniwrap for about one and a half wraps, to the side of the side of the defect so that it gets a good grip, then wrap over the Steel Stick from the bottom, so that when you bring the wrap over, it pushes the Steel Stick into the defect. There will be enough Steel Stick to try stopping the leak at least twice, if you don't stop it the first time. Wrap the Uniwrap a little either side of the defect but mainly over the top of the defect, until you have used the whole reel and fasten in place with the velcro.

5.) Remove the Cayman Rapid from the foil pouch and soak in water for 20-30 seconds.

6.) Starting a couple of inches past the repair, wrap the Cayman Rapid around the pipe, with a 50/50 overlap and at least 8 plies, totally encapsulating the Uniwrap and finishing a couple of inches past the repair.

7.) Apply the Polycarbonate Film over the repair, once the film is applied make small punctures in the wrap to enable carbon dioxide created by the cure to escape. Await 'cure' which will be dependant on temperature. Repressurise the pipe and check the integrity of the repair. That's it, repair completed. No down-time and no drain down.

### Key features and benefits of Titan Seal

- Performs in the wet.
- No need to turn off the pressure.
- Will seal on all substrates.
- Wide temperature range.
- Resistant to a wide range of chemicals including acids and alkalis.
- Very easy to use.
- Works in difficult situations like elbows or joints.
- Can even be used under water.
- Stops the leak immediately.
- Extremely cost effective- no down time.

### Titan Seal Technical information

**Uniwrap:** Elongation 600% Temperature Range -40°C to +70°C\*

**Cayman Rapid:** Shore D Hardness 70

**Setting Times** 35°C 23 minutes, 21°C 28 minutes, 16°C 1 hour 25 minutes, 10°C 2 hours 42 minutes, 6°C 3 hours 2 minutes

**Heat resistance** Continuous 112°C, Intermittent 142°C

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