

PES 302 Epoxy Repair Cement

PES 302 Epoxy Repair Cement is a high performance two pack solvent free epoxy fairing compound. The material is ideal for use on metallic surfaces and has been designed to be applied to manually prepared substrates. The material can be applied by trowel to large areas where excessive corrosion pitting is prevalent on the repair surface. Once cured the product can be over coated by many standard epoxy, acrylic and polyurethane systems. Typically the material is used in conjunction with PES composite repair systems as a cost effective surface filler prior to application of PES 301 Epoxy Resin and Glass Tape.

Main characteristics -

- Two component
- Solvent free epoxy
- 1:1 mixing ratio
- Usable life 25 minutes 68°F (20°C)
- Touch dry 90 minutes 68°F (20°C)
- Full cure 3 days 68°F (20°C)
- Tolerant of less than ideal surface preparation
- Applied by spatula, trowel or applicator tool
- Available in 1kg and 40kg pack sizes

Mechanical Properties –

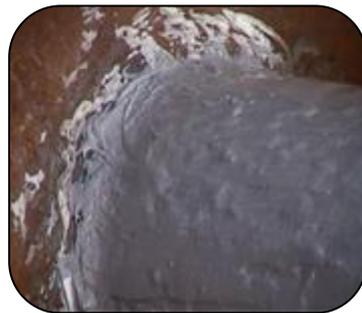
Adhesion **1830psi** (129kg/cm²) Manual
12300psi (865kg/cm²) Blast Steel

Compressive strength
 Tested to ASTM D 695 **10,450psi** (735kg/cm²)

Corrosion Resistance
 Tested to ASTM B117 **Minimum 5000 hours**

Flexural Strength
 Tested to ASTM D790 **4250psi** (298kg/cm²)

Heat Resistance
 Intermittent contact with steam up to 248°F (120°C) (when used with glass tape, dry heat up to 302°F (150°C).



Oil intake pipe badly corroded, all surfaces filled using PES 302 Epoxy Repair Cement

Badly corroded ballast pipe manually prepared and filled using PES 302 Epoxy Repair Cement, 30mtr length of pipe then encapsulated using PES 301 Epoxy Resin and Hardener and Glass Tape

