

DATA SHEET

509

MARINE ENGINE ROOM PAINT

(Page 1 of 3)

V1-15/11/2013

DESCRIPTION

- 509 is a solvent free epoxy resin used with or without fibreglass reinforcing for the repair and lining of underground fuel storage Engine Rooms E.C.T tanks.
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PROPERTIES

- Good wetting properties
 - Quick early strength
 - Suitable for polystyrene moulds
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CHEMICAL RESISTANCE

- Resist most common aggressive chemicals, petroleum products; dilute acids and alkalis, aliphatic solvents and sea water.
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MECHANICAL PROPERTIES

- Tensile strength @ 21 °C: 4.2MPa.
 - Compressive strength @ 21 °C: 31.0 MPa.
 - Bond strength to grit-blasted steel: 9.0MPa
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(Page 2 of 3)

V1-15/11/2013

INSTRUCTIONS

- **PREPARATION:** Grit-blast to Sa 2½ (ISO 8501-1:1988) if soluble salt levels are above 30mg/m², high pressure wash with Hold tight 102 diluted 50:1 with clean water.
 - **MIXING:** Mix the epoxy and activator in the proportions given using a mechanical mixer. Make sure only sufficient quantity is mixed that can be used within 30 minutes.
 - **APPLICATION:** Apply 2 or 3 coats by brush; roller or airless spray to achieve minimum 500µ DFT. Subsequent coats should be applied as soon as possible after each coat is sufficiently hard enough to walk on. (Maximum over-coating time 24hrs @ 25°C)
 - **CLEANING EQUIPMENT:** Clean equipment immediately after use with Water Soluble Brush Cleaner.
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TOXICITY

- Although 509 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional Epoxy systems are adhered to. Refer to the 16 point Material Safety Data Sheet.
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509

MARINE ENGINE ROOM PAINT

(Page 3 of 3)

VI-15/11/2013

TECHNICAL DATA

| | |
|--------------------------------|----------------------------|
| COLOUR | : White, grey or green |
| CONSISTENCY | : Thixotropic Liquid |
| MIXING RATIO (VOLUME) | : 2 Epoxy : 1 Activator |
| POT LIFE (500ml @ 25°C) | : 40 Min |
| TOUCH DRY @ 25°C | : 4-5 Hrs |
| PRACTICAL CURE | : 24 Hrs |
| FULL CURE | : 7 Days |
| AVERAGE SPREAD RATE | : 1m ² /ℓ @ 1mm |
| SOLVENT CONTENT | : Nil |
| PACKAGING | : 3, 15 and 60 litres |

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