

TECHNICAL DATA SHEET

P540

V2-18/05/2024

PETROLEUM RESISTANT TANK LINING

DESCRIPTION & USE

P540 is a solvent free epoxy coating, filled with inert flakes, used with or without fibreglass reinforcing for the repair and lining of steel fuel storage tanks.

PROPERTIES

- Tensile strength @ 21°C: 4.2MPa
- Compressive strength @ 21°C: 31.0MPa
- Bond strength to grit-blasted steel: 9.0MPa
- Excellent Corrosion Resistance
- Very Good Chemical Resistance
- Low Permeability
- Good Application Properties
- Good Wetting Properties
- Quick Early Strength
- Suitable for Polystyrene Moulds

CHEMICAL RESISTANCE

Resistant to crude oil, refined petroleum products, dilute acids and alkalis, aliphatic solvents and sea water.

COLOUR	: Off White
Nº. OF COMPONENTS	: 2
MIXING RATIO (VOL)	: 2.40 : 1
CONSISTENCY	: Thick Liquid
VOLUME SOLIDS	: 100%
MIXED DENSITY	: 1.32
PRACTICAL SPREAD RATES	: 2 - 4m ² /ℓ
DRY FILM THICKNESS (PER COAT)	: 250 - 500µm
POT LIFE @ 25°C	: 40 min
TOUCH DRY @ 25°C	: 4 hrs
HARD DRY @ 25°C	: 24 hrs
FULL CURE	: 7 days
OVERCOATING TIMES	: Min: 6 hrs : Max: 24 hrs
SUBSTRATE TEMPERATURE	: Min: 10°C : 3°C above dew point
RELATIVE HUMIDITY	: Max: 85%
APPLICATION TEMPERATURE	: 10 to 40°C
OPERATING TEMPERATURE	: -20°C to +60°C
RECOMMENDED NO. OF COATS	: 2 - 3
CLEANING EQUIPMENT	: P701 WSBC
STORAGE TEMPERATURE	: 10 to 40°C
SHELF LIFE	: 12 months
PACK SIZE	: 17 litres (B: 12ft, A: 5ft)

SURFACE PREPARATION

Grit-blast to Sa2½ (ISO 8501-1:2007), Minimum 75µ angular profile.
Ensure soluble salts are removed by high pressure washing with Holdtight 102 or equivalent.

MIXING

Mix the base 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

Application by airless spray, brush or roller.
Apply 2 - 3 coats of P540 to achieve minimum 500µm 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).

Airless Spray Details:

Tip Size: 0.023"-0.035"
Pressure at tip: 250-350kg/cm²

TOXICITY

Although P540 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.

HOW TO SPECIFY

All surfaces to be prepared and coated with P540 in accordance with the manufacturer's instructions.

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.

