

HYTECT

DESCRIPTION

Hytech is a solvent free, 2 pack, high build coatings based on a special mixture of high strength chemical resistant urethanes.. When cured it leaves a hard flexible coating for concrete or metals, with a high resistance to abrasion and chemical attack from dilute acid and alkalis, oils, sea waters etc. Ideal for protection of concrete in silage pits, bunds, etc.

USES

Hytech gives long term protection of concrete and steel work in silo's, chemical process plants, oil tanks, sewerage works etc. It is also an anti-corrosive underwater coating and water proof membrane for concrete bridge decks etc. Topping Hytech with various types of non skid grit, makes super anti-skid surface ideal for loading ramps, footbridges, stairs, Industrial walkways etc. Hytech is ideal for protection and renovation on silage pit walls. It will arrest all effluent attacks and protection from further damage. All repaired joints on both floors and walls can be covered to give excellent protection. Hytech will cover small cracks and joints because of its viscous nature whilst still withstanding heavy traffic. Hytech also protects metal from corrosion and chemical erosion. Hytech can be applied with fine dynagrip topping for milking parlours and collecting yards to achieve a good anti-skid surface. Hytech is superb for protection on effluent tanks, slurry stores and grain bins.

PROPERTIES

Care should be taken when handling resin products, protective clothing and barrier creams are recommended. Keep away from food stuffs and potable water. In case of eye or mouth contact wash with water and seek medical advice.

APPLICATION INSTRUCTIONS

Hytech is supplied in 5kg units.

Unit Size - 5KG

Coverage - Approx. 15m² - 160ft²

Application Temp Range - 5°C - 30°C

Pot Life - 45 - 60 minutes at 20°C

Touch Dry - 10 - 14 hours at 20°C

Final Cure - 10 - 12 days

Colour - Black

Film Thickness - 0.20 mm per coat

Tensile Strength - Approx. 10 N/mm² (1400 psi)

Elongation - Approx. 35%

Chemical Resistance - Good with certain acids, alkalis, oils. Poor with aromatic solvents

Speedscreed

PREPARATION

On Shuttered concrete panes ensure there are no 'blowholes' if there are these require filling with 'Quattro BLOCKSEAL' before coating. Block seal can also be used in large cracks or imperfections before coating. It is important that all preparation is completed before starting to apply Hytech. Ensure the surface is dry and clean. All loose surfaces should be brushed down. Remove any oil or grease deposits. Where oil or grease exists Acid Etch or degreaser may be used. In silage pits the action of the effluent will already have etched the surface and minimise preparation.

APPLICATION

Once preparation has been completed locate units of Hytech Base and Hardener. Mix all the contents of the hardener to the base and stir well. Ensure all of the contents are well dispersed. (It is advisable to mix only half a unit at a time to aid application especially in warm conditions. This must be mixed in the same ratio at the full unit). Apply the Hytech with a good quality roller, or by brush in to difficult or rough areas. Apply directly after mixing.

Following the application of the Hytech, the product may appear to soak in to porous surfaces. In this case the resin is doing it's job to the full, blinding the surface to provide a hard sound impervious finish. In this case a further coat can be applied thinly by roller to provide a full black cosmetic finish.

Re coating should be done within 24 hours.

HINTS In very cold conditions standing bucket in very hot water or by heater before mixing will make the Hytech slightly thinner and easier to apply. Heat can accelerate the curing times so apply material as quickly as possible after mixing. Strong simulated sheepskin or mohairs are ideal for application. Roller as much as possible to all accessible areas, finish off edges or rough surfaces last with a brush. In poor areas where two coats may be required it is advisable to prime with Primer F. A drill with a paddle will ensure easier and more satisfactory mix-ing where available. (Special paddles, rollers, sleeves and brushes can be supplied upon request). Hytech can be supplied in special grades for damp conditions or tanking work. (Please ask for details).

RECOMMENDATIONS Hytech is generally used for cracks, covering repairs and joint areas. Hytech is used for general coating, covering of fine hair cracks, covering repairs and joints or areas which require high strength chemical protection. Can also be used as a joint filler by mixing in rubber powder it can be used on wide joints