HIGH BUILD PROTECTIVE COATING

TECHNICAL DATA

PAREX
A SIKA COMPANY

Product Code

TM41, packaging listed overleaf

Description

High Build Protective Coating is a two part solvent free epoxy resin product consisting of a pigmented base resin component plus a pale yellow hardener component. The colour coding enables homogeneous mixing to be easily achieved. The product is applied as a high build protective coating to steel, concrete and other construction materials. Applied coatings are resistant to mechanical damage, abrasion and will give protection against weathering and chemical attack. The product gives a high build coating in a single application which cures to hard semi-gloss finish within 24 hours.

Uses include:

- Steel fabrications and reinforcements
- Floors, walls and soffits.
- Marine and sewage works.
- Warehouse storage areas plus industrial factory areas.
- Exposed reinforcing strand ends.
- Exposed reinforcing steel ends.

Typical Properties @ 20°C

Specific Gravity:	1.65
Useable Life:	45 Minutes
Tack Free:	6 Hours
Dry Film Thickness:	upto 300 microns in one coat
Initial Usage:	24 Hours
Equivalent Thickness of Concrete	760mm (dry film thickness 173µm)
Carbon Dioxide Permeability EN 1062-6	302m Classification C_1

Specification Outline

Protective coating shall be carried out using High Build Protective Coating as manufactured by Parex Limited. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Quality Assurance

Parex Limited has an integrated business management system. This is externally accredited by UK CARES to BS EN ISO 9001:2015, BS EN ISO 14001:2015, BS ISO 45001:2018 and BES 6001.

Instructions For Use

Preparation

All contact surfaces must be sound, clean, dry and provide a good mechanical key. For steel surfaces rust, millscale or any other impurities should be removed bringing the surface to a bright metal condition. For concrete surfaces remove all loose material, paint, plaster and oily deposits. For best results light grit blasting is recommended.

Priming

No special priming is required.

Mixing

The High Build Protective Coating base resin component is supplied in a container which is large enough to receive the hardener component and act as the mixing vessel. Pour the entire hardener component into the base container and mix using a slow speed high torque drill with a Mortar Stirrer. Mixing should be continued for two minutes to achieve a uniform consistency and colour.

Coating

Apply the High Build Protective Coating as a single thick coat using a stiff bristle brush. Do not attempt to brush out the applied material. The applied thickness of 300 microns may be monitored using a simple thickness gauge to check the application during the work.

All tools and equipment should be cleaned with Solvent. Hardened High Build Protective Coating may only be removed mechanically.

High Build Protective Coating may be applied at temperatures between 10°C and 35°C. For applications outside this range contact the Technical Service Department.

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Curing

Typical Properties @ 20°C

Initial usage:	24 Hours
Full cure:	7 Days

Precautions

Health and Safety

High Build Protective Coating is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately.

Full health and safety data are given in Product Safety Data Sheet.

Fire

High Build Protective Coating is classified as non-flammable. Solvent is flammable.

Should fire occur extinguish with CO_2 or foam.

Yield

High Build Protective Coating is packed in 1.65kg combined units with 8 units in an outer box. From each 1.65kg unit the yield is approximately 1litre of mixed material. Coverage is approximately 3.3m^2 litre.

Storage And Shelf Life

High Build Protective Coating will have a shelf life of 12 months when kept in dry conditions at a temperature of 5°C to 35°C. Storage at higher temperatures and high humidity may reduce the shelf life.

Packaging And Ordering

High Build Protective Coating is supplied in:

1.65kg Combined Units	Product Code TM41
Solvent is supplied in:	
5Litre cans	Product Code TM2
1Litre cans	Product Code TM8

For further information and sales, please contact your local Parex office as listed below.

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