



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

## High Build Protective Coating Data Sheet

### Specification notes

Product: **High Build Protective Coating**

Supplier:

**Arcon Construction Supplies**  
**19-20 Prestwood Court**  
**Leacroft Road**  
**Warrington**  
**WA3 6SB**

Tel: **01925 852225**

Email: [mail@arconsupplies.co.uk](mailto:mail@arconsupplies.co.uk)

Web: [www.arconsupplies.co.uk](http://www.arconsupplies.co.uk)

Call **01925 852225** or visit [Arcon Construction Supplies](http://www.arconconstruction.com)  
... for more information on our flooring and construction products

[Industrial Flooring](#) | [Concrete Repairs](#) | [Protective and Waterproof Coatings](#)  
[Jointing and Paving Mortars](#) | [Anti-slip Floor Paints](#) | [Concrete Repair Mortars](#)

## HIGH BUILD PROTECTIVE COATING

### Product codes

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

<b>Specific Gravity:</b>	1.65
<b>Useable Life:</b>	45 Minutes
<b>Tack Free:</b>	6 Hours
<b>Dry Film Thickness:</b>	upto300 microns in one coat
<b>Initial Usage:</b>	24 Hours
<b>Equivalent Thickness of Concrete</b>	760mm (dry film thickness 173µm)
<b>Carbon Dioxide Permeability</b>	302m
<b>EN 1062-6</b>	Classification C <sub>1</sub>

### 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 is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2008 and is assessed by UK CARES LTD.

### 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.

## HIGH BUILD PROTECTIVE COATING

### Instructions For Use

#### 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.

#### Curing

##### Typical curing times at 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<sub>2</sub> 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<sup>2</sup> 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:

5 Litre cans

Product Code TM2

1 Litre cans

Product Code TM8

For further information and sales please contact your local Tecroc Products office as listed below.

Parex Limited products are guaranteed against defective materials and manufacture. Products are sold subject to the Parex Limited Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Parex Limited endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.