

Polydex™ High Build

The ultimate elastomeric rust prevention coating for exterior metal including metal roofing & cladding



“maintenance made easy”



PRODUCT DESCRIPTION

Polydex™ High Build is an extremely durable rust preventative waterproof membrane with phenomenal elasticity in excess of 200%, superb adhesion and exceptional resistance to weathering.

Polydex™ High Build has a stiff consistency, maintaining full coating thickness even on external 90° corners and vulnerable edges. With incredible adhesion, the coating will not allow moisture to penetrate beneath it even when the coating is cut.

Its satin gloss finish will accept over-coating by various high gloss alkyd enamels or acrylic dispersion paints if desired.

TYPICAL USES

Polydex™ High Build may be used on virtually any metal surface where maximum protection against corrosion is necessary. It is ideal for metal roof sheets and cladding, metal decking, tank exteriors and off-shore and harbour structures.

SUITABLE SUBSTRATES

Polydex™ High Build will adhere strongly to all metals and most other building substrates. To maximise adhesion to non-porous substrates such as glass, smooth bricks and concrete, ceramics etc. dilute with 25% water as an adhesion primer.

COLOUR & PACKAGING

Polydex™ High Build is available in a range of 9 standard colours and is supplied in 5kg & 20kg units.

COLOUR GUIDE

Polydex™ High Build is available in a range of 9 standard colours.

White 02 RAL 9003	Light Grey 01 RAL 9002	Mid Grey 05 RAL 7032
Black 13 RAL 5004	Tile Red 44 RAL 3003	Dark Green 63 RAL 6005
Fern Green 67 RAL 6011	Mid Blue 77 RAL 5010	Brown 85 RAL 8004

The colours indicated here are approximate and should not be taken as the exact shade.

DIRECTIONS FOR USE

SURFACE PREPARATION

Remove grease, oil and all other surface contaminations by alkaline or high pressure (steam) cleaning (max. 200 Bars) in combination with appropriate detergents.

The surface has to be dust free and made rust free by means of sandblasting (Sa2, St2) or high pressure water jetting (min. 600 bars). After jetting, the substrate has to be dust free.

On new galvanised surfaces, new zinc, aluminium or stainless steel, first apply a coat of *ZP Primer*.

Polydex High Build, thinned with 25% water, may also be used as an adhesion primer.

APPLICATION

Stir thoroughly before use. *Polydex™ High Build* may be applied by brush, roller, or airless spray (but not conventional spray gun).

A smooth even finish is best achieved by airless spray application.

Airless spray – use nozzle 13-17 and 170 bars pressure.

During work stoppage, immerse nozzle in water.

Only one coat is required.

DRYING TIMES

At 20°C with 50% relative humidity, *Polydex™ High Build* will be touch dry in 1½ hours, rain resistant after approximately 3 hours, re-coatable after 24 hours and fully cured in approximately 14 days.

These times will vary depending on actual site conditions.

APPLICATION CONDITIONS

Temperature during application should be between +8°C and +55°C and relative humidity not exceeding 80%.

COVERAGE

Coverage of *Polydex™ High Build* by brush/roller is approximately 2.5m²/kg and by airless spray 4m²/kg (achieved in 1 coat) depending on the texture and porosity of the substrate.

Recommended Wet Film Thickness: 320 µm

Recommended Dry Film Thickness: 175 µm

CLEANING

Tools and equipment should be cleaned whilst material is still wet using water.

Hands and skins should be cleaned immediately with organic hand cleaner.

SHELF LIFE & STORAGE

Shelf life of *Polydex™ High Build* is 2 years if kept in the original unopened container in a cool, dry, frost-free environment, not in direct sunlight, between 5°C and 35°C.

HEALTH & SAFETY

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

ANY QUESTIONS?

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application. Our aim is to provide all the technical help you need to make an informed choice and achieve total success.

Polycote Technical Helpline

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All reasonable care has been taken in supplying the above information. However, any figures quoted do not constitute a specification but represent typical values obtained. It is the customer's responsibility to ensure for himself that the product is fit for the intended purpose and that conditions are suitable. Any technical advice is offered in good faith, but without warranty. This is also applicable when proprietary rights and third parties are involved. In the light of the Company's policy of continual research and development, it is the customer's responsibility to ensure that the information contained herein has not been superseded.

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