Technical Data Sheet

WD Primer

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High adhesion water-dispersed epoxy primer

Product Description

WD Primer is a two part water dispersed 50% solids specialist epoxy floor primer providing a dustproof coating resistant to oils and chemicals. It will provide a tough, hard-wearing protective floor finish with a semi-gloss/silk finish that is economical and easy to apply.

Typical Uses

WD Primer has been specially formulated to adhere to impervious surfaces, providing a primer coat for a wide range of Polycote epoxy top coats. Being solvent-free, taint-free, odourless and non-toxic, *WD Primer* is ideal for use in medical, animal, foodprocessing and working environments. Typical applications include warehouses, factories, workshops, commercial kitchens, laboratories and chemical bunds.

Suitable substrates:	*WD Primer m*ay be applied to old and new concrete and polymer modified cementitous screeds.
Colour	*WD Primer* is white when applied, but dries to a clear finish.
Packaging:	*WD Primer* is supplied in pre-measured quantities as a two part 5.0kg unit, comprising an epoxy resin blend Part 'A' and hardener Part 'B'.

Direction For Use

Surface Preparation

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL.

Recommended methods are:

Powerfloated concrete - use a Vacuum Assisted Shotblaster to remove weak laitence and provide a surface key for the coating. If this is not possible, chemically etch with Polycote *Etch IT* then rinse thoroughly and allow to dry.

Loose paint or rust - remove, using a Vacuum Assisted Shotblaster, Floor Grinder or equivalent method.

Loose or friable concrete - use a Vacuum Assisted Shotblaster. If this is not possible, chemically clean with Polycote *Etch IT* then rinse thoroughly and allow to dry.

Oil or grease - use Hot Compressed Air for large areas of contamination. Smaller, isolated deposits may be chemically cleaned with Polycote *Degrease IT,* then rinsed thoroughly and allowed to dry.

See relevant Data Sheet prior to application.

ONCE PREPARED, THE AREA MUST BE KEPT CLEAN AND FREE OF TRAFFIC.

Mixing

Having fully prepared the substrate, stir the individual components before mixing together. Add Part 'B' to Part 'A' and thoroughly mix for at least 5 minutes. For best results use a heavy duty slow speed drill with a mixing paddle.

ENSURE THOROUGH MIXING AS AN UNMIXED PRODUCT WILL RESULT IN A POOR OR NON-CURE SITUATION.

Application

Prior to application of epoxy coatings - apply *WD Primer* by brush, roller or squeegee, making sure that the surface is completely covered. Particular attention should be given to doorways and other areas of high traffic. Whenfinished, ***DO NOT*** scrape the remaining contents from the container as this will invariably include unmixed raw resin.

IMPORTANT - Ensure thorough coverage of porous surfaces, working the primer well into the surface. Failure to do this may allow the floor to 'breathe' and result in pinholing or bubbles in the epoxy top coat.

Prior to application of cementitious screeds - apply as above, then sprinkle kiln-dried quartz (ideally 0.3-0.6mm) onto the ***WET*** primer to provide a mechanical key and allow to cure. Any loose quartz should then be brushed off before laying the screed.

Application Temperature

Normal application temperature range is between +10˚C and +25˚C.

To reduce the risk of 'blooming' caused by condensation, the climate above the uncured floor should be maintained at least 3°C above the dew point for at least 48 hours after application.

The substrate should be surface dry with a maximum relative humidity of 80%.

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Pot Life & Curing Time

The pot life is approximately 30 minutes at 20°C. Overcoating period is 16 hours. Light pedestrian traffic 16 hours and medium traffic is 24 hours. Full strength is reached after 7 days. The material should be protected from contact with water for 7 days.

Coverage

The coverage of *WD Primer* is approximately 25-30m2 per 5.0kg unit, depending on the texture and porosity of the surface.

Cleaning

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

Hands and skin should be cleanedimmediately with Organic Hand Cleaner.

Shelf Life & Storage

Shelf life in unopened containers is approximately 12 months subject to conditions of storage. Store in a cool, dry, frost-free environment between 10°C and 30°C and out of direct sunlight.

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: **01234 846400**

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 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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EN 13813 SR-B2, 0-AR0, 5-IR5
Synthetic resin screed material for use internally in buildings not subject to reaction to fire regulations

Wear resistance	AR 0.5
Bond strength	B 2,0
Impact resistance	IR 5