Technical Data Sheet
HyGlaze™ WD

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Industrial water dispersed epoxy interior wall coating

Product Description

HyGlaze™ WD is a self-priming non-toxic two part waterdispersed epoxy resin wall coating with a high solid content of 60%. The formulation includes high build fillers to increase the film thickness and provide good abrasion and chemical resistance. *HyGlaze™ WD* provides a dustproof, easily cleaned satin finish surface, resistant to oils and liquids.

Typical Uses

Being solvent-free, non-tainting and virtually odourless, *HyGlaze™ WD* is ideal for use in medical, animal and food environments. Typical applications include industrial kitchens and refrigerators, dairies, milking parlours, food processing areas, hospitals and schools.

Suitable substrates:	*HyGlaze™ WD* may be applied direct to most substrates including plaster, render, brickwork, blockwork, plasterboard, timber, chipboard and other composite boards materials, concrete and steel.
Colour	*HyGlaze™ WD* is available in 13 standard colours or in a large range of BS4800 & RAL specifications, subject to minimum quantity.
Packaging:	*HyGlaze™ WD* is supplied in pre-measured quantities as a two part 5.0kg unit, comprising a coloured epoxy blend Part 'A' (1kg clear) and resin Part 'B' (4kg coloured).

Direction For Use

Surface Preparation

Thorough substrate preparation is essential.

All loose friable or flaking material must be removed, and the surface must be clean, dry and free of dust. Any oil or grease should be removed.

Mixing

Having fully prepared the substrate, stir the individual components before mixing together. Add Part 'A' to Part 'B' and thoroughly mix for at least 3 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

Apply by brush or roller, making sure that the surface is completely covered. Particular attention should be given to any protrusions or other vulnerable areas. When finished, DO NOT scrape the remaining contents from the container as this will invariably include unmixed raw resin.

A second coat of *HyGlaze™ WD* should be applied after initial curing has taken place - see 'Pot Life & Curing Times'.

Application Temperature

Normal application temperature range is between +10°C and +30°C. *HyGlaze™ WD* will cure at +5°C but curing times can be greatly extended at lower temperatures. If in doubt, please contact Polycote Technical Helpline for further advice

Pot Life & Curing Time

The pot life once mixed is approximately 45 minutes at +20°C. Initial curing takes place within 16-24 hours depending on temperature. To ensure a good intercoat chemical bond, the top coat should be applied within 16-24 hours. If this interval is exceeded, abrade the first coat to ensure intercoat adhesion. Full cure strength is reached at 7 days.

Coverage

The coverage of *HyGlaze™ WD* is 30-40m^2 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 warm soapy water.

Hands and skin should be cleaned immediately 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 away from sources of ignition.

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.

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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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BSEN 13813 SR B 3.5 – AR 0.5 – IR>4
Resin coating/screed for use internally
as per Polycote data sheet

Wear resistance	AR 0.5
Bond strength	B 3
Impact resistance	IR >4