Technical Data Sheet

Hyglaze EP

Hyglaze EP

High build pure epoxy wall coating

Product Description

Hyglaze EP is a two part epoxy wall coating with a 100% solids content, providing a hardwearing, easy clean surface with a coloured gloss finish for medium duty traffic.

It is easy to apply without the need for solvents or thinners and will protect concrete from oil and chemical spillages.

Typical Uses

Hyglaze EP is ideal for use in warehouses, factories, processing plants, showrooms, hospitals and schools.

Suitable substrates: *Hyglaze EP* may be applied direct to most substrates, including old and new concrete and polymer modified cementitious screeds.

Colour

Hyglaze EP is available in a selection of 13 stock colours, or in a large range of BS4800 and RAL specifications.

Packaging & Coverage

Hyglaze EP is supplied in pre-measured quantities as a two part 5kg unit, comprising a coloured epoxy blend Part 'A' and hardener Part 'B'.

The coverage of *Hyglaze EP* is approximately 15m^2 per 5.0kg unit, depending on the texture and porosity of the substrate.

Application Guidelines

Application Temperature

The ambient temperature of the areas should not be allowed to fall below 15°C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C.

Mortar Covings

When applying *Hyglaze EP* to mortar covings, ensure the mortar substrate is fully cured and free from excessive plasticisers, as these may affect coating performance and appearance. Apply a heavier coat where required, if the first coat is insufficient, allow it to cure before applying a second coat to achieve an even finish.

Pot Life

The pot life of *Hyglaze EP* once mixed is approximately 20 minutes at 20°C.

Curing Times

Initial curing takes place within 10-12 hours depending on temperature. To ensure a good intercoat chemical bond, overcoat within 36 hours.

Full cure is reached after 7 days.

Cleaning

Tools and equipment should be cleaned whilst resin is still wet using Polycote Solvent Cleaner.

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

Direction For Use

Surface Preparation

Prior to application of *Hyglaze EP,* the surface should be primed with a suitable *Polycote WD Primer* or *EP Primer*, depending on the type and condition of the substrate. Please contact Polycote Technical Helpline for advice, and follow preparation guidelines on the relevant primer Data Sheet.

Mixing

Materials should be stored at 15°C to 25°C for a minimum of 8 hours before use.

Having fully prepared the substrate, stir the individual components before mixing together. As pigment may 'sink', ensure that the mixing is very thorough and from the bottom of the container.

Add Part 'B' to Part 'A' 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. Do not add solvent/thinners to the product.

Direction For Use(cont)

Application

Having prepared and primed the surface, *Hyglaze EP* should be applied after the primer has completely dried but within 36 hours of priming to ensure a good intercoat chemical bond. 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.

Physical Properties

Bond Strength (BS EN 13892-8 : 2002):	> 2.0 N/mm^2
Wear Resistance (BS EN 13892-4 : 2002):	AR0.5
Slip Resistance (PTV) to BS EN 16165 : 2021:	Dry > 50
BS 8204-6 / FeRFA:	Type 3
Chemical Resistance:	Good
H2S resistant:	Yes, resistant to sulphuric acid (up to a certain concentration). If there is sulphuric acid on the surface then it would cause discolouration over a period of time. As long as good housekeeping practices are maintained then the coatings will be fine.
VOC:	< 160 g/l Based on a fully mixed unit
Temperature Resistance:	Starts to soften at 65-70°C.

Shelf Life & Storage

Store in a cool, dry, frost-free environment away from sources of ignition between 10°C - 25°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: **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-AR0.5-B2.0-IR>4.0
Synthetic resin screed material for internal use in buildings

Reaction to fire:	NPD
Release of corrosive substances:	SR
Water permeability:	NPD
Wear resistance:	AR0.5
Bond strength:	B2.0
Impact resistance:	IR>4.0
Sound insulation:	NPD
Sound absorption:	NPD
Thermal resistance:	NPD
Chemical resistance:	NPD