

Epoxy High Build – ABP

A one coat high-build epoxy resin coating providing an extremely durable, chemically resistant finish to concrete, stone and metal.

Appearance

Epoxy High Build cures to a hard gloss finish, suitable for most internal surfaces.

Availability

Available in five colours – Mid Green, Tile Red, Terracotta, Mid Blue and Light Grey. Epoxy High Build is supplied in a 4.5 litre two pack system.

Coverage

Approximately 15m² per 4.5 litre pack maximum allowing for one coat by roller. A dry film thickness of 300 microns will be produced on most surfaces.

Brush application may increase the thickness but could reduce the coverage rate.

High Suction Surfaces

To ensure a uniform finish on certain porous surfaces two coats of Epoxy High Build may be necessary.

Chemical Resistance

Epoxy High Build is resistant to short term spillages of the following at 25°C.

Petrol	5% Lactic Acid
Diesel Fuel	10% Hydrochloric Acid
Xylene	10% Nitric Acid
Methylated Spirits	25% Sulphuric Acid
White Spirit	20% Phosphoric Acid
Bleach	10% Citric Acid
20%Ammonia	20% Caustic Soda
Antifreeze	Sugar Solutions
Mineral Oil	Salt
10% Oxalic Acid	Detergents
5% Acetic Acid	

Discolouration may occur with some chemicals, this is not necessarily an indication of degradation of the coating. Please consult for advice on chemicals not listed.

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Storage

Store at a minimum constant temperature of 15°C, and maximum 24°C for 8 hours prior to use.

Surface preparation: Concrete, Stone and Brick

Concrete to be treated must be dry and at least four weeks old and free of any soft surface laitance, contaminants, and not subject to rising damp. All loose material must be removed. Very smooth bare concrete or concrete with soft laitance should be etched with Cement Cleaner/Etchant and the area thoroughly hosed off and allowed to dry. Grease or oil should be removed with Solvent Free Degreaser and the area thoroughly hosed off and allowed to dry. Very smooth, firmly bonded, previously painted surfaces must be abraded to improve adhesion.

Surface Preparation: Steel

Remove loose or flaking material, rust and any previous coatings by wire brushing or disc grinding to achieve a bright surface. Shot or grit blasting (to BS4232 Second Quality) is an ideal preparation. Oil or grease should be removed with Solvent Free Degreaser and the metal then washed with a neutral detergent and allowed to dry. Coating should be carried out immediately providing flash rusting has not occurred.

Dual Packs

Separate the two tins by aligning the side seams and pulling apart.

Mixing

Each Epoxy High Build pack consists of a container of curing agent and a container of resin. The curing agent and resin must be very thoroughly mixed together with a wide bladed tool until an even colour is obtained.

Important

Once the contents of the pack have been mixed a chemical reaction takes place which causes a rise in temperature and speeds up the curing of the product.

Pot Life

The Mixed components should be used immediately. The product has a pot life of one hour maximum at 15°C. Higher ambient temperatures will reduce the pot life. To extend the Pot Life in high temperatures the mixed components should be decanted into a shallow tray.

Application

Best results are obtained in warm conditions, (minimum 15°C).

On horizontal surfaces apply by medium, pile type roller (not foam) in one coat. On vertical surfaces two thin coats are recommended. The second coat should be applied within 24 hours. In exceptional temperature conditions advice should be obtained.

Curing Time

The product will cure overnight at 15°C to accept light traffic the next day, full chemical and wear resistance is achieved over 7 days (at a minimum constant temperature of 15°C).

Temperatures of 10°C and below will slow down or arrest the curing of the product. Water should not be allowed to lie on the surface for at least 7 days. Avoid washing the surface for 7 days after coating.

Cleaning of Applicators

While Epoxy High Build can be cleaned from rollers it may be more practical to dispose of them.

Safety

All product labels provide general safety information. Material Safety Data Sheets are available. Food products must be removed from the area during application and until initial overnight curing has taken place.

Wear Resistance

Epoxy High Build cures to a very hard impervious, gloss finish that will resist strong chemicals. In common with all 'high build' gloss paint systems scratching of the surface will occur under point loads.

Hazards

In common with all smooth coatings, when used on floors Epoxy High Build can become slippery under certain conditions. Tread Safe or Safe-T-Epoxy are available for problem areas. They both have good chemical resistance but consult on their uses in areas of chemical spillage.

General Maintenance

Epoxy High Build is resistant to the normal range of industrial cleaners.

Do not steam clean or subject to temperatures in excess of 60°C.

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Cement Cleaner/Etchant

Preparatory concrete etchant for use where

- a) the concrete is very smooth,
- b) recently laid, at least four weeks old,
- c) where laitance is present.

Coverage 4m² per litre.

Solvent Free Degreaser

For preparatory degreasing.

An emulsifying super-penetrating degreasant that removes oil and grease from concrete and metal. Coverage approximately 2m² per litre.

All products are sold subject to the Company's Standard Conditions of Sale.

The Company and its representatives are often asked to comment on potential uses of products which differ from those described in the Company's data sheets. Whilst in such cases the Company and its representatives will always try to offer helpful and constructive advice, the Company cannot be held responsible for the results of such uses unless they are specifically confirmed in writing.

All information is based on results gained from experience and tests and is believed to be accurate, but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control.