

# 'E' Primer



## **Clear Epoxy Stabilising Solution**

### GENERAL

'E' Primer has been developed for special priming work on porous substrates such as concrete and render. Also onto GRP and composite surfaces such as Marbelite etc. The product offers protection to these surfaces against chemical attack and water. Being epoxy based, it adheres very well to most substrates filling minute voids and stabilising the surface ready for further treatment. 'E' Primer is a tough, low viscosity, clear epoxy resin solution that penetrates deeply into porous surfaces such as Concrete, Masonry, GRP, Wood and RFP composites. It seals minor pores, binds back any remaining dust and strengthens the upper surface zone. The absence of pigments ensures that all the resin is available to seal, stabilise and prime the surface irrespective of variations in suction and porosity thereby reducing the risk of water absorption. 'E' Primer can also be used as part of an 'Osmosis' prevention system on boat hulls and related marine applications.

### SURFACE PREPARATION

However carefully 'E' Primer is applied, maximum performance will only be achieved if adequate surface preparation is carried out. All surfaces must be free from oil, dust, rust or loose materials prior to painting. Although the primer is remarkably tolerant to residual moisture, surfaces which are excessively damp require specialist treatment about which the Polybond technical department would be pleased to advise. Any existing paintwork should be sound and gloss removed to provide a key. 'E' Primer cannot be applied over single pack paint systems. Before proceeding over old paintwork, it is essential to try a patch test to ensure that no lifting or blistering occurs. If in doubt, consult our Technical department.

### APPLICATION

The product can be applied to any suitably prepared surface, by brush, roller or spray and when cured, provides an inert barrier with exceptional adhesion. Its physical and chemical resistance is designed to compliment that of high performance finishing systems such as two pack Polyurethanes and Epoxy finishes. Providing it is completely cured, it also provides a stable substrate onto which to apply Polybond Swimming Pool Paint.

The 'E' Primer is live and ready for use as soon as the Base Resin and Hardener has been mixed together. Use a soft brush, well loaded with material. Apply a generous coat and do not brush out excessively. If the material curtains on vertical surfaces, pull up quickly. If spraying, then mix as above and add no more than 10% Thinners No 2. For normal spraying, the pressure is usually about 40 – 50 psi (3-4Kg/cm<sup>2</sup>). If available, airless equipment is preferred. Brushes and other apparatus must be cleaned with No 2 Thinners immediately after work.

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## PROPERTIES

Chemical Resistance	Excellent all round chemical resistance and compliments the performance of most industrial finishes.
Heat Resistance	150°C
Condition	Ready for brush, roller or airless spray application when mixed.
Storage Life	Unmixed it has a shelf life well in excess of 12 months.
Mixing Ratio	This is a 2 pack material consisting of Base & Hardener which are supplied in correctly matched quantities. Simply pour the contents of the Hardener into the Base and stir thoroughly. If a small quantity is required, the proportions for mixing are 1:1 by volume.
Pot Life	8 hours @ 20°C.
Touch Dry	2 hours @ 20°C.
Hard Dry	6 – 8 hours @ 20°C.
Full Cure	7 – 10 days.
Min Cure Temp	5°C.
Max Relative Humidity	80%
Re-Coat	Minimum 4 hours.
Coverage	On smooth surfaces of average porosity i.e GRP, approx 9m <sup>2</sup> per litre and 6m <sup>2</sup> on plaster or concrete.
Pack Sizes	2.5 & 5 Litre Twin Packs.
Colour	Clear only.

## HEALTH & SAFETY

Mixed 'E' Primer has a flashpoint of 26°C and should only be used away from possible sources of ignition. Attention must be given to industrial hygiene, extraction of vapours and fire precautions. Personnel should be informed of any handling requirements.

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