

# EP Primer CR

**Epoxy primer for concrete surfaces**



**“maintenance made easy”**



## PRODUCT DESCRIPTION

***EP Primer CR is a high build, epoxy formulation providing an extremely tough and totally impervious matt finish with excellent chemical resistance.***

***Its low viscosity offers maximum penetration and adhesion qualities.***

### TYPICAL USES

As a universal primer, it is compatible with a wide range of Polycote epoxy topcoats and screeds.

Being virtually solvent-free, non-toxic and non-taint, *EP Primer CR* is ideal for use in medical, animal, food processing and working environments. Typical applications include warehouses, factories, workshops, laboratories and chemical bunds.

### SUITABLE SUBSTRATES

*EP Primer CR* has been developed specifically for concrete and cementitious substrates.

### PACKAGING

*EP Primer CR* is supplied in pre-measured quantities as a two part 5.0kg unit, comprising an epoxy resin blend Part 'A' and hardener Part 'B'.

## DIRECTIONS FOR USE

### SURFACE PREPARATION

***Thorough substrate preparation is essential.***

***Recommended methods are:***

***Powerfloated concrete*** – use a Vacuum Assisted Shotblaster to remove weak laitance 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.

**DIRECTIONS FOR USE Cont.**

**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.

**MIXING**

Prior to mixing, the temperature of both components should be between 15 and 20°C.

Add the hardener component to the coloured resin component and mix using a low speed electric mixer (300 - 400 rpm) for at least 3 minutes until homogeneous. Keep the mixing paddle fully submerged to avoid the entrapment of air and scrape the sides and bottom of the vessel several times.

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be, >75% or if the surface temperature is <3 °C above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be < 7°C during the application or within the curing period.

**APPLICATION**

Apply immediately by brush or solvent resistant short nap lint-free mohair roller, making sure that the surface is completely covered, working the primer well into the surface.

Plan the work area to ensure a constant wet edge and work within the working time of the material. It is imperative that film thickness is kept constant to maintain consistency of appearance.

Avoid pooling as this will lead to solvent entrapment and un-cured areas.

**NON-SLIP APPLICATIONS**

For slip resistance, sprinkle Polycote Calcined Bauxite aggregate onto the wet primer coat. The normal sprinkling rate is 4-8m<sup>2</sup> per 1kg aggregate, but this rate may be varied between 0.5m<sup>2</sup> – 10m<sup>2</sup> per 1kg, depending on slip resistance required.

This method allows selective areas of non-slip treatment to be applied as required. Spiked shoes should be worn to avoid disturbing the wet coating. Allow to cure before overcoating to encapsulate the aggregate.

**POT LIFE**

The pot life is approximately 60 minutes at +20°C.

**CURING TIMES**

Initial cure takes place within 12-16 hours at 20°C. Over-coating time is between 16-36 hours.

Full strength is achieved after 7 days.

**APPLICATION TEMPERATURE**

Normal application temperature is between +15°C and +20°C.

**COVERAGE**

The coverage of *EP Primer CR* is up to 20m<sup>2</sup> 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 with Solvent Cleaner. 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 at between 10°C and 25°C in its original container.

**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 for himself that 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.

**REV: 12/18**