

### MC Primer

#### Product Description

Fast curing low temperature methyl methacrylate primer and sealer

*MC Primer* is a two-part MMA resin primer and concrete sealer with very rapid curing characteristics, for both cold, and very cold areas. It provides an extremely tough and totally impervious coating with excellent chemical resistance. Its low viscosity formulation ensures maximum penetration into porous surfaces, actually strengthening the substrate.

#### Typical Uses

Due to its outstanding dustproofing and surface hardening properties, *MC Primer* may be used as a concrete sealer without further coating. As a primer, it is compatible with a range of MMA resin-based repair materials and floor coatings such as *Polycote Cretex MC* and *Flortex MC*. Its very rapid cure time makes *MC Primer* ideal for use in areas of constant traffic where disruption must be minimised.

*MC Primer* is supplied in two different grades: Standard and Cold Store Grade (CSG). The standard grade is ideal for use in cold areas that are above 0 degrees, such as fridges, whereas the Cold Store Grade is designed for use below 0 degrees, such as cold stores, freezers, and exterior applications in harsh climates.

**Suitable substrates:** *MC Primer* may be applied to old and new concrete. It should not be applied until the concrete has been cured for a minimum of 1 month or until the moisture content is 5% or below.

#### Colour

*MC Primer* is colourless and translucent.

#### Packaging & Coverage

*MC Primer* is supplied in pre-measured quantities as a two-part system, comprising of a 5L unit of acrylic resin Part 'A' and a powder hardener Part 'B'.

The coverage of *MC Primer* is between 15-20m<sup>2</sup> per 5 litre unit, depending on the texture and porosity of the substrate. Usually a single coat is sufficient, however if the surface is extremely porous, we recommend two coats.

#### Direction For Use

##### Surface Preparation

The surface must be free from grease, oil or contamination, and must be dry.

**Powerfloated concrete** - use a Vacuum Assisted Shotblaster to remove weak laitence 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** - 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.

**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.

ONCE PREPARED, THE AREA MUST BE KEPT CLEAN AND FREE OF TRAFFIC.

**Caution** - *MC Primer* is methyl methacrylate based and has a characteristic odour during the vaporising of the solvent. Although non-toxic and non-injurious to health, this can cause tainting and OPEN food products should therefore be removed or sealed during and following application until the vapour has dispersed.

##### Mixing

BEFORE MIXING THIS PRODUCT YOU MUST BE TOTALLY PREPARED for rapid uninterrupted application of the complete mixed quantity WITHIN 12 MINUTES.

Thoroughly shake the resin to ensure dispersion of the contents, then pour all the contents into a clean plastic bucket. Add the hardener powder and thoroughly mix for at least 3 minutes. For best results use a heavy-duty slow speed drill with a mixing paddle.

## Direction For Use<sup>(cont)</sup>

## Application Guidelines

## Shelf Life & Storage

## Health & Safety

## Any Questions

### Application

Immediately apply the mixture using a brush, roller or squeegee, making sure that the surface is completely covered. Particular attention should be given to doorways and other areas of high traffic. When finished, do NOT scrape the remaining contents from the container as this will invariably include unmixed raw resin.

When priming for *Cretex MC* - it is advisable to scatter kiln dried quartz aggregate (0.3 - 0.6mm) into the wet *MC Primer* coating at a rate of 1kg/m<sup>2</sup> to increase adhesion of the repair material.

Tip: For Cold Store Grade - the workable life of the material will be maximised if it has been conditioned (e.g. store in the cold store itself) prior to mixing.

### Application Temperature

*MC Primer* is available in two temperature grades: Standard Grade for 0°C to +30°C application temperature, and Cold Store Grade for -25°C to 0°C.

### Pot Life

The pot life of *MC primer* is 10-12 minutes depending on temperature.

### Curing Times

Standard version: Initial curing time to foot traffic resistance is approximately 1 hour. Full strength and chemical resistance is achieved after 2 hours. If overcoating, allow the product to cure for a minimum of 1 hour, and no more than 2 hours.

Cold Store Grade: Initial curing time to foot traffic resistance is approximately 2 hour. Full strength and chemical resistance is achieved after 4 hours. If overcoating, allow the product to cure for a minimum of 2 hours, and no more than 4 hours.

TIP: These times can be extended with the Cold Store Grade if it is conditioned prior to mixing. In such cases, the pot life can be extended to 25 mins. Initial curing is 4 hours, and full cure is 8-10 hours. Overcoating between 4 to 8 hours.

### Cleaning

Tools and equipment should be cleaned whilst product is still wet with Solvent Cleaner. Hands and skin should be cleaned immediately with Organic Hand Cleaner.

The shelf life of MC Primer in unopened containers is 6 months subject to conditions of storage. Store in a cool dry environment away from sources of ignition.

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.

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.