

# mr6 primer

## TWO COMPONENT ANTI CORROSIVE METAL PRIMER

### DESCRIPTION

MR6 primer is a two-component, solvent free, anti-corrosive reactive primer based on Methyl Methacrylate (MMA) resins, which cures rapidly by chemical reaction. It is formulated to form a cohesive bond with the substrate.

### USES

MR6 Primer is used on steel (including galvanised steel) and other metallic surfaces to enhance the bond between Stirling Lloyd's MMA based coating systems and the substrate.

### TECHNICAL DATA

PROPERTY	VALUE
Application Temperature Range <sup>(1)</sup>	-5 to +30°C
Typical Working Life @ 20°C	15 minutes
Typical Cure Time @ 20°C	30 minutes

### SURFACE PREPARATION

It should be stressed that the success of any coating or repair system is dependent on the thoroughness of the surface preparation.

The steel substrate must be clean, dry and structurally sound. All rust, dirt and contamination should be removed to expose bright metal to achieve a surface finish to comply with Swedish standard Sa 2.5.

### MIXING

MR6 Primer consists of a resin base and a powder catalyst (BPO) all supplied in pre-weighed quantities ready for on-site mixing. MR6 can also be supplied in bulk quantities for decanting out on-site. Ensure the material is thoroughly stirred each time before decanting.

Immediately before use stir the primer resin thoroughly using a mechanical mixer, such as an air-driven drill (400 – 800 rpm) and mixing paddle. Care should be taken not to entrain excessive air in the mix. Whilst continuing to stir, gradually start to add the required amount of BPO and continue stirring until it is all added and completely dispersed (approx 45 seconds). The lower the temperature the longer the hardener powder will take to dissolve.

Once the BPO is added it initiates the 'working life' of the material during which time it should be applied. Refer to the table opposite for further information on working life and cure times.

### APPLICATION

MR6 Primer should be applied evenly to the substrate by brush, roller or airless spray. For spray application the recommended equipment is a Graco 23:1 Monark airless spray-pump with a 1/4"

spray-line and a spray tip size between 0.025" (25 thou) and 0.035" (35 thou). If it is sprayed then it is preferable to follow closely behind with a dry roller to remove any excess (ponded) material.

MR6 Primer should be dry to the touch and fully cured before being over-coated.

### COVERAGE

MR6 Primer (Typical) - 0.2kg/m<sup>2</sup>  
Coverage rate will vary with surface profile.

### CLEANING

All tools and equipment should be cleaned with Stirling Lloyd Solvent No.3 before the material is allowed to cure.

### PACKAGING & STORAGE

MR6 Primer is supplied in 5kg, 20kg, 200kg and 1,000kg kits.

All components of the system should be stored in cool, dry, protected conditions, out of direct sunlight and in accordance with the relevant Health & Safety regulations. Storage temperatures must not exceed 25°C. Do not store near naked flames or foodstuffs.

Stored in unopened containers, under these conditions, the components have a shelf life of six months.

### HEALTH & SAFETY

The Material Safety Data Sheet must be read, understood and available on site before commencing work.

It is the Company's policy to take all reasonable steps to prevent injury to all property and personnel from foreseeable hazards. This extends to the public in so far as they come into contact with the Company or its products.

### GENERAL INFORMATION

MR6 Primer is part of a wide range of specialist waterproofing, surfacing and repair materials manufactured and supplied by Stirling Lloyd. If you require any further information on this or any other of our products, please contact our Customer Services Department or visit [www.stirlinglloyd.com](http://www.stirlinglloyd.com).



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<sup>1</sup> For temperatures outside this range please contact the Stirling Lloyd Customer Services Department for further details.