



MC-1700

Zinc-Rich Epoxy Primer

DESCRIPTION AND USES

MC-1700 is a two-component, zinc rich epoxy primer. It cures to a hard wearing and highly weather-resistant coating. MC-1700 offers cathodic protection of local mechanical damage.

MC-1700 is a "VOC-compliant", versatile, long-term primer on steel for epoxy, vinyl and acrylic coating systems in medium to severely corrosive environments.

PACKAGING/COVERAGE

MC-1700 is available in 1 gallon and 5 gallon units

TYPICAL PROPERTIES

Color	Gray, Red
Gloss	Flat
Percent Zinc in Dry Film	81
Solids by Volume	65% ± 1%
Density	22.7 lbs./gal
Flash Point	75 °F/24 °C
VOC	335 g/L (2.8 lbs./gal)
Mix Ratio (resin:hardener)	4:1 (by volume)
Pot Life @ 68 °F/20 °C	2 hours
Cure Schedule @ 68 °F/20 °C	Dust free: 30 minutes Dry to touch: 1 hours Full Cure: 7 days
Recoat Window @ 77 °F/25 °C	Minimum: 2 hours Maximum: None*
Minimum Overcoat @ 77°F/25 °C	*If kept free from contamination 2-4 hours, depending on system applied. Contact Blome for further information.

Note: Before recoating after exposure in contaminated environment, clean the surface thoroughly by high pressure fresh water hosing and allow to dry. In addition, scrubbing with a stiff brush may be necessary to remove zinc corrosion products (white rust).

COVERAGE

Dry Film Thickness – Mils (Microns)	3-5 (75-125)
Wet Film Thickness – Mils (Microns)	4.5-7.5 (112-187)
Coverage –Ft ² /Gal (M ² /L)	350 (8.7)

STORAGE AND SHELF LIFE

Keep MC-1700 components tightly sealed in their original containers until ready for use, Store at 40°F to 90°F, out of direct sunlight. MC-1700 has a shelf life of 1 year, in original, unopened containers.

TEMPERATURE

Use MC-1700 only where application and curing can proceed at temperatures above 15°F (-10°C). The temperature of the surface must also be above this limit. The paint itself should be 59°F (15°C) or above. Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation.

SURFACE PREPARATION

Surfaces must be dry and free of dirt, dust, oil, grease, chemicals and contaminants immediately prior to applying MC-1700. Abrasive blast steel surfaces to a commercial metal finish with a 1.5 to 2.5 mil anchor profile. (Ref. SSPC-SP-6)

APPLICATION EQUIPMENT

MC-1700 may be applied using a spray rig, brush or roller. For spray equipment, use the following:

- Airless or air assist Spray
- Pump 30:1 or higher
- Nozzle pressure 2200 psi
- Hose 1/4"ID
- Tip size 0.017-0.021 inch

MIXING AND APPLICATION

Before mixing with the curing agent stir the base thoroughly in order to re-disperse any possible settling after storage. After mixing it is equally important to maintain stirring to keep the wet paint as a homogeneous mixture.

CLEANUP

Before material cures, tools and equipment should be cleaned using hot, soapy water. After MC-1700 begins to cure, xylene or MEK will be required. Chlorinated solvents may be used if flammable solvents are prohibited.

SAFETY PRECAUTIONS

Flammable liquid – keep away from heat, sparks, open flames and other ignition sources. Avoid contact with skin and eyes. Do not ingest material or inhale vapors. When mixing or applying MC-1700, always wear chemical goggles, appropriate rubber gloves, and other appropriate safety clothing. When spraying in confined areas, wear a supplied air respirator and make provisions for forced air ventilation. When spraying in open areas, a NIOSH approved respirator suitable for organic vapors can replace supplier air. Refer to Blome material safety data for more information.

WARRANTY

We warrant that our goods will conform to the description contained in the order and that we have good title to all goods sold. Our material data sheets and other literature are to be considered accurate and reliable, but are used as guides only. WE GIVE NO WARRANTY OR GUARANTEE, WHETHER OF MERCHANTABILITY OR FITNESS OF PURPOSE OR OTHERWISE, AND WE ASSUME NO LIABILITY IN CONNECTION THEREWITH. We are happy to give suggestions for applications; however, the user assumes all risks and liabilities in connection therewith regardless of any suggestion, we may give. We assume no liability for consequential or incidental damages. Our liability, in law and equity, shall be expressly limited to the replacement of non-conforming goods at our factory, or at our sole option, to repayment of the purchase price of the non-conforming goods.

Printed: July 15, 2012
Supersedes all previous literature