



MiraPrime MP

Product Technical Data Sheet

MiraPrime MP is a two-component, 100% solids, high performance epoxy primer designed primarily for use on ferrous and non-ferrous metal surfaces yet suitable for concrete and other substrates.

WHERE TO USE

- Primer of choice for metallic substrates
- Concrete repair steel reinforcement
- Pharmaceutical plants and warehouses
- Hospitals and healthcare facilities
- Laboratories
- Prisons and correctional facilities
- Stadiums and arena's
- Shower and Locker rooms
- Cafeterias and food service facilities

ADVANTAGES

- Rapid hardening and cure time
- Superior adhesion to host substrate
- Reduces installation time (fast cure).
- LEED-compliant, zero VOC
- Meets USDA, FDA, OSHA standards

COVERAGE RATES

531 sq. ft. per kit @ 3.0 mils
318 sq. ft. per kit @ 5.0 mils

PACKAGING

Kit Sizes: 1.25 Gallon
Component A: 1-gallon can
Component B: 1-quart can
Available in clear only

MIX RATIO

Comp. A to Comp. B: Mix entire kit only.

SHELF LIFE AND STORAGE

One year from the date of manufacture provided containers remain unopened and material has been stored in a protected environment free from moisture, excessive heat, freezing temperatures, and direct sunlight.

TYPICAL PHYSICAL PROPERTIES @ 75F (24C)

Vehicle Type	modified epoxy resin
Weight % solids.....	100%
Re-Coat Time.....	8- 36 hours
Pot life 50% RH (1-gallon mass)	approx. 20 minutes
Tack Free Time... ..	3-5 hours
VOC Content.....	5g/L

OVERVIEW OF INSTALLATION STEPS

- **Surface Preparation** – All surfaces must be clean, sound, dry and free from any bond inhibiting substances including, but not limited to, rust, loose scale, dirt, grease, oil and any other contaminants or loosely adhered materials. *For metal substrates*, prepare surface in accordance with SSPC SP11/NACE No.6. Mechanical abrasion followed by a double solvent wiping may be required for certain types of well adhered existing coatings. Prior to proceeding with recoat perform in-situ pull tests with proposed product or system to confirm adequate adhesion.
- **Mixing** – Prior to use, **MiraPrime MP** must be mechanically mixed using a low-speed drill (300-450 rpm) with a “Jiffy-type” or similar Miracote-approved mixing paddle. Empty entire contents of component A and component B into a clean mixing vessel. Mix for approximately 3 minutes keeping the mixing head fully immersed. Avoid induction of air or a deep vortex. At least when mixing, stop to scrap down the sides and bottom of the mixing container to ensure thorough blending of both components. Once completely mixed and in observance of pot life, dispense material immediately from the pail to the substrate.
- **Application** – Apply **MiraPrime MP** with a high quality, phenolic core, industrial grade 3/16” to 1/4” maximum nap roller or paint brush. Do not puddle the primer but roll out to consistently soak the surface to a uniform mil thickness. Two coats of primer may be necessary on porous surfaces to insure uniform coverage.

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FOR BEST RESULTS

- Always install a minimum 4' by 4' test area site mockup for approval of acceptable color, texture, finish, adhesion, and any other critical requirement acceptable to the owner prior to proceeding with the installation.
- Verify and download current versions of product technical data sheets (PTDS), material safety data sheets (MSDS), and installation guides (IG) at www.miracote.com.
- Protect materials from excessive heat and cold, and pre-condition to room temperature, as necessary.
- Regularly check wet film thickness with mil gauge and monitor consumption to ensure material is being applied at the correct application rates.
- The proper application of Miracote products is the sole responsibility of the end user. Job site visits by Miracote representatives are only to provide recommendations and does not assume any liability for supervision or quality control.
- Measure surface and ambient temperatures to ensure the material is only applied when both temperatures range between 50°F (10°C) and 90°F (7°C) during mixing and time of application.

LIMITATIONS

- Surface on which applied requires careful preparation and must be free of contamination that might cause a failure of bond.
- Previously applied existing coatings should always be tested with in-situ pull off methods to verify adhesion.
- Maximum allowable moisture vapor transmission (MVT) of 3.0 lbs./1000 sf/per 24 hr. period per ASTM F1869 (CaCl Testing) or 75% RH as per ASTM F2170 (RH-Relative Humidity Testing)
- Use MiraPrime MVERS PLUS epoxy moisture mitigation primer over concrete substrates that have MVT emissions that exceed these limits

LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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