



MiraPrime AL

Product Technical Data Sheet

MiraPrime AL is a two-component, 100% solids, high performance epoxy primer designed primarily for use over both ferrous and non-ferrous metal surfaces. It is also a suitable primer for concrete, masonry and other types of porous substrates.

WHERE TO USE

- Pharmaceutical plants and warehouses
- Hospitals and healthcare facilities
- Laboratories
- Prisons and correctional institutions
- Stadiums and arena's
- Shower and locker rooms
- Cafeteria's and food service facilities

ADVANTAGES

- Rapid hardening and cure time.
- Superior adhesion to host substrate.
- Outstanding primer for ferrous & non-ferrous metals.
- LEED-compliant, zero VOC.
- Meets USDA, FDA, OSHA standards.

COVERAGE RATES

230 sq. ft per gallon per coat.

PACKAGING

Kit Sizes: 2.5 gallon, 5-gallon, and 25-gallon

MIX RATIO

Component 'A' to Component 'B' = 3 to 2 by volume.

SHELF LIFE AND STORAGE

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

TYPICAL PHYSICAL PROPERTIES @ 75F (24C)

Weight % solids.....	100%
Tack Free Time	3 to 5 hours
Re-Coat.....	6 to 8 hours

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, grease, oil and any other contaminants or loosely adhered materials. For concrete substrates, a minimum surface profile of a CSP-3 or higher is required depending on overall substrate conditions and coating requirements.
- **Mixing** – MiraPrime AL components must be mixed mechanically using a low-speed drill (300-450 rpm) until blended 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 at all times. At least once when mixing, stop to scrape down the sides and bottom of the pail to ensure thorough blending of both components. If not mixing full units, each component must be pre-mixed individually ensuring uniformity prior to use. Once completely mixed and in observance of pot life, dispense material immediately from the pail to the substrate.
- **Application** – Apply MiraPrime AL with a high quality, phenolic core, industrial grade 3/16” to 1/4” maximum nap roller. Do not puddle the primer, but roll out in order 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 mock up 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 at all times 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 correct application rates are obtained.
- The proper application of this product is the sole responsibility of the end user. Job site visits by Miracote representatives are only for the purpose of making recommendations, and do not assume any liability for supervision or quality control.
- Measure surface and ambient temperatures to ensure the material is only applied when temperatures are 50°F (10°C) and rising during placement and cure time.

LIMITATIONS

- Material, ambient and substrate temperatures must be a minimum 40F (4C) at time of application.
- Not intended for use on exterior concrete slabs-on-grade.
- Concrete must be a minimum 21-28 days depending on mix design, curing and drying conditions.
- Maximum allowable moisture vapor transmission (MVT) of 3.0 lbs./1000 sf/per 24 hr. period ASTM F1869 (CaCl Testing).
- Maximum allowable moisture vapor transmission (MVT) of 75% RH as per ASTM F2170 (RH-Relative Humidity Testing).
- Use MiraPrime MVERS 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.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield's examination shall disclose to Crossfield's satisfaction to be thus defective.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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