



MiraPrime WB

Product Technical Data Sheet

MiraPrime WB is a single component, water-based, multi-purpose, self-crosslinking acrylic primer designed for use over previously uncoated concrete, masonry and other substrates. **MiraPrime WB** also functions as a versatile inter-coat adhesion promoter over a wide range of existing film-forming coatings and membranes in good condition and well adhered to the underlying substrate. **MiraPrime WB** forms a tenacious bond to properly prepared acrylics, resinous epoxies, polyurethanes, polyaspartic, polyurea's, cementitious and many other types of previously applied coatings.

WHERE TO USE

- Interior and exterior concrete and masonry substrates.
- Inter-coat adhesion primer over existing acrylic, epoxy, polyurethane, polyaspartic, polyurea and cement coatings.
- Inter-coat priming for Miracote MPC over deck coatings.
- Fast return to service flooring applications.

ADVANTAGES

- Single component
- Excellent adhesion and flexibility.
- Reduces installation time (fast cure).
- VOC compliant.
- Low odor.
- Clean tools and equipment with water.

COVERAGE RATES

300-350 sq. ft. per gallon per coat.

PACKAGING

1-gallon can
5-gallon pail
50-gallon drum

MIX RATIO

Single component formulation.

SHELF LIFE AND STORAGE

One year from the date of manufacture provided 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)

Vehicle Type	Water-based acrylic
Weight % solids.....	25%
Adhesion to concrete ASTM D4541.....	>500 psi (100% concrete substrate failure) (28.1kg/cm)
Re-Coat window.....	min.1 hour - max. 24 hours
Curing Time (75°F)	
Dry to touch.....	30 minutes
Re-coat.....	1 hour
Open to Light Traffic	4 hours
Full cure	5 to 7 days
Leveling Ability	Excellent
Flash Point	> 100°C
Flammability	Non-Combustible

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-2 or higher is required depending on overall substrate conditions and coating requirements. *For previously applied existing coatings*, surface must be clean, sound, dry and free from oxidation, grease and oily residue. 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 WB** must be agitated or mechanically mixed using a low-speed drill (300-450 rpm) with a “Jiffy-type” or similar Miracote-approved mixing paddle. One gallon units may be stirred with a paint stick.
- **Application** – Apply **MiraPrime WB** with a high quality, phenolic core, industrial grade 3/16” to 1/4” maximum nap roller. 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 correct application rates are obtained.
- 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.
- After **MiraPrime WB** has been applied do not sand, abrade or solvent wipe the primer surface prior to the application of the overcoat material.

LIMITED WARRANTY

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



Miracote Product Line
Crossfield Products Corp

www.miracote.com

East Coast Office
140 Valley Road
Roselle Park, CA 07204
P: (908) 245-2808
F: (908) 245-0659

West Coast Office
3000 E. Harcourt Street
Rancho Dominguez, CA 90221
P: (310) 631-6594
F: (310) 886-9119

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