



# MiraGard HDWB

## Product Technical Data Sheet

Miracote MiraGard HDWB Waterproofing Sealer is a VOC compliant, water-based dispersion specifically formulated for excellent chemical and abrasion resistance, including exposure to oil, grease, brake fluid, salt, calcium chloride, limited caustics, dilute acids, kerosene and alcohol. Advanced chemistry offers improved adhesion to cementitious, tile and glass substrates. MiraGard HDWB Sealer offers superior performance for water-based formulations with resistance to blushing, whitening or blistering.

### ADVANTAGES

- Long wearing, durable, excellent weathering characteristics.
- Abrasion and chemical resistance.
- Good hot tire mar resistance after 7 days from initial installation.
- Excellent early wet and dry adhesion.
- Cleanable, easy to maintain.
- Wet look appearance similar to solvent-borne sealers – select when specifying.
- Available in high gloss, satin or matte finishes – select when specifying.
- Meets SCAQMD and Federal VOC requirements.
- Available through Miracote distributors.

### COVERAGE RATES

300-320 sq. ft. per gallon.

### PACKAGING and COLORS

1-gallon can  
5-gallon pail  
50-gallon drum  
Available in gloss, satin & matte

### MIX RATIO

Single component; use as supplied.

### SHELF LIFE AND STORAGE

Shelf life will be one year from the date of manufacture as long as containers remain unopened and when material is store in a protected environment that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.

### WHERE TO USE

Miracote MiraGard HDWB Sealer is a superior, time tested stain and mar resistant sealer that resists tire marking and is easy to clean using conventional methods. MiraGard HDWB Sealer is recommended for use over concrete or masonry surfaces and over Miracote's MiraStamp and MultiPurpose Protective Coating products to improve resistance to certain chemicals and to provide a tough, durable high "gloss" or low "matte" sheen sealed finish. MiraGard HDWB Sealer is also used as a sealer for concrete, terrazzo, flagstone or other masonry surfaces. It is particularly durable in high traffic areas. MiraGard HDWB Sealer is also used on driveways, patios, pool decks, garage floors, loading docks, balconies, decks, etc.

### TYPICAL PHYSICAL PROPERTIES @ 75°F (24°C)

Vehicle Type.....	Water-based solution
Cleaning .....	Water, Acetone, or isopropanol
Color .....	Clear or Matte Clear
<b>Physical Properties</b>	
Flexibility .....	Good
Weather Resistance.....	Excellent
Abrasion .....	Excellent
<b>Curing Time (77°F)</b>	
Dry to touch.....	30 minutes
Re-coat .....	1 hour
Open to Light Traffic.....	4 hours
Full Cure.....	16-24 hours
Hot Tire .....	7 days
Routine Maintenance.....	48 hours
Leveling Ability.....	Excellent
Flash Point .....	> 100°C
Flammability.....	Non-Combustible
FDA .....	Complies for use when Dry

### FOR BEST RESULTS

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 current versions of product technical data sheets (PTDS), material safety data sheets (MSDS), and installation guides (IG) at [www.miracote.com](http://www.miracote.com).

Protect materials from excessive heat and cold and regularly check wet film thickness with mil gauge and monitor consumption to ensure correct application thicknesses and rate are obtained.

### OVERVIEW OF INSTALLATION STEPS

Use required safety gear and eye and skin protection when handling this product.

- Thoroughly clean the surface to be treated by removing all surface contaminants, including grease, dirt and oil.
- Apply in one or two very thin coats (6-8 mils wet; 2-3 mils dry) by spray, brush, roller or lamb's wool applicator. Allow for losses due to application methods, surface porosity and texture. Application area is to be well ventilated.
- Application rate over concrete surfaces varies with surface porosity, profile and texture. Standard spread rate is 300-320 feet per gallon.
- For detailed installation instructions, please review the Miracote MiraGard HDWB Sealer's Installation Guide.
- Maintenance: Scrubbing with mild sud detergent solutions, light power washing or water rinsing is recommended. Reseal as necessary, approximately every two to five years depending on traffic, usage and ultraviolet exposure.

# MiraGard HDWB

## Product Technical Data Sheet

### LIMITATIONS

- Must be applied to clean, dry substrates.
- Must be applied over properly prepared, compatible substrates only.
- Exterior exposure life is less than interior exposure life.
- Avoid flash set conditions, very porous substrates, damp or wet conditions, puddles, high wind, dew, salt or heavy nap rollers when application requires the use of Miracote MiraGard HDWB Matte.
- Excellent hot tire resistance is achieved after seven days from initial application. For applications where the in-service time cannot be delayed for this 7-day period, MiraFlor Glazetop with Synthetic Skid Aggregate, is recommended.

### PRODUCT AVAILABILITY

Crossfield Products Corp. Miracote maintains offices and factories at addresses listed below. Miracote products are available for purchase through reputable distribution in the building trades.

### SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

### SLIP RESISTANCE and CLEANABILITY

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding slip resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

### CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

### TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

### 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.

IN NO EVENT SHALL CROSSFIELD PRODUCTS CORP. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON CROSSFIELD'S PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY PERSON OR PERSONS TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH SALE OF A CROSSFIELD PRODUCT. THIS WARRANTY SHALL NOT APPLY TO ANY OF CROSSFIELD'S PRODUCTS, WHICH HAVE BEEN SUBJECT TO ADULTERATION, ALTERATION ABUSE OR MISUSE. CROSSFIELD PRODUCTS CORP. MAKES NO WARRANTY WHATSOEVER IN RESPECT TO ACCESSORIES, PARTS OR MATERIAL NOT SUPPLIED BY CROSSFIELD PRODUCTS CORP., WHICH ARE USED IN CONNECTION WITH ITS PRODUCTS. THE TERM "ORIGINAL PURCHASER" IN THIS WARRANTY MEANS THAT PERSON, CORPORATION OR ENTITY TO WHOM CROSSFIELD PRODUCTS CORP. SOLD ITS PRODUCTS. ANY ACTION TO ENFORCE ANY WARRANTY OR FOR BREACH OF CONTRACT OR ARISING OUT OF ANY CLAIM AGAINST CROSSFIELD PRODUCTS CORP. SHALL BE COMMENCED AND MAINTAINED ONLY IN A COURT OF COMPETENT JURISDICTION IN THE CONTINENTAL UNITED STATES OF AMERICA. THE PURCHASER ACCEPTS THESE TERMS AND CONDITIONS, AND HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



**Miracote Product Line**  
**Crossfield Products Corp**

[www.miracote.com](http://www.miracote.com)

**East Coast Office**  
140 Valley Road  
Roselle Park, NJ 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



**MIR.056**  
**MIRAGARD HDWB**  
**04-14-2014**