



MiraGard HD 400

Product Technical Data Sheet

Miracote MiraGard HD 400 Sealer is a blend of proprietary acrylic resins and solvent in dispersion specifically formulated to be resistant to oil, grease, brake fluid, salt, calcium chloride, limited caustics, dilute acids, kerosene, alcohol and abrasion. MiraGard HD 400 Sealer is a superior, time tested, stain and mar resistant sealer that is truly resistant to tire marking, and is readily cleanable using conventional methods.

ADVANTAGES

- Long wearing, durable, abrasion resistant.
- Good Hot Tire Mar Resistance.
- Cleanable, easy to maintain.
- Excellent weathering characteristics.
- Chemical Resistant.
- Available in Gloss or Low Gloss – select when specifying.
- Available through Miracote distributors.

COVERAGE RATES

250-300 sq. ft. @ 5 mils WFT per gallon.

PACKAGING

1-gallon can
5-gallon pail

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

- For use over concrete or masonry surfaces
- Terrazzo
- Flagstone
- High traffic areas
- Driveways, patios, pool decks, garage floors, loading docks, balconies, decks, etc.

MAINTENANCE

Scrubbing with mild sud detergent solutions, light power washing or water rinsing can clean MiraGard HD 400 Sealer. Reseal as necessary, approximately every two to five years depending on traffic, usage and ultraviolet exposure.

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

Vehicle Type	Acrylic dispersion in solvent
Cleaning Solvents	Xylene or Toluene or Acetone
Color	Colorless, High Semi Gloss
Physical Properties	
Weight Solids	22.5%
Weight per gallon	7.3 lbs./gal.
Viscosity	50 cps.
Flexibility	Good
Weather Resistance.....	Excellent
Abrasion	Excellent
Curing Time (77°F)	
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	80°F
Flammability	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.

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, face/breathing mask, eye and skin protection when handling this product.
- Thoroughly clean the surface to be treated by removing all surface contaminates, including grease, dirt and oil.
- Apply in one or two very thin coats 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 250-300 feet per gallon.

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LIMITATIONS

- Must be applied to clean, dry substrates.
- Due to solvent content, must be applied over compatible substrates only.
- Not recommended over many acrylic thin film paints, sealers or coatings – Application can be accomplished following special manufacturer's instructions when application is over Miracote coatings, stains or sealers.
- 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 HD 400 Sealer.

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.

MAINTENANCE

For maximum sheen and cleanability, floor should be routinely treated with conventional maintenance finish followed by ordinary buffing.

SPECIFICATION ASSISTANCE

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

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.

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.

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.

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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, 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



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