



# MiraGard Colorbond XL

## Product Technical Data Sheet

Miracote MiraGard Colorbond XL is a single component, 100% self-crosslinking pigmented acrylic coating specifically designed for use as a top coat for Miracote MPC, MiraFlex XL, MiraFlex II, MiraFlex ME and other Miracote products/systems. It can also be used as a protective coating over properly prepared conventional concrete and other types of construction substrates. MiraGard Colorbond XL exhibits a low sheen finish and provides excellent durability and weathering properties.

### WHERE TO USE

- As a color top coat for many Miracote products/systems.
- Stand-alone protective coating for concrete surfaces.
- For use in recoating other acrylic-based topcoats.
- Exterior and interior concrete and other surfaces.
- Horizontal, vertical and overhead applications.

### ADVANTAGES

- Durable, long lasting finish.
- Excellent weather resistance.
- Good wear and abrasion resistance.
- UV stable for superior color retention.
- Outstanding hiding power.
- Environmentally friendly; VOC compliant.
- Fast drying for quicker recoating.
- Moisture vapor permeable – “breathable”.
- Good resistance to moisture absorption.
- Water-based for easy clean-up.

### THEORETICAL COVERAGE RATES

250-300 sq. ft./gal @ 6.4 to 5.3 mils (wft) per coat

### PACKAGING AND COLORS

1-gallon can  
5-gallon pail  
20 Standard Miracote Colors: Refer to color chart L-544  
Custom Colors and color matching are available.

### MIX RATIO

Single component. Thoroughly mix prior to use.

### 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 @ 75°F (24°C)

Vehicle Type.....	Acrylate copolymer in aqueous dispersion
Solids Content.....	55%
Gloss 60° Gloss Meter.....	>75+
Cleaning Solvent.....	Water
<b>Physical Properties</b>	
Flexibility.....	Excellent
Weathering.....	Excellent
Abrasion Resistance.....	Excellent
<b>Curing Time (77°F)</b>	
Dry to Touch.....	1 hour
Recoat.....	4 hours
Traffic.....	24 hours
Temperature Limit.....	Continuous..... 180°F Intermittent..... 255°F

#### Color Retention

No fading or deleterious effect. Atlas Twin-Arc Weatherometer - 20 mins: Cycle - 17 mins: Dry - 3 mins: Wet - 300 hours.

#### Accelerated Ultraviolet Light Exposure

No fading or visible deleterious effect under 10X magnification. Desert Sunshine Exposure Test, Inc., Phoenix, Arizona  
“Procedure EMMA” (mirror-accelerated exposure)

### 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 concrete surface profile of CSP-1 to CSP-3 is required depending on overall substrate and application conditions, and coating or sealing requirements. At the time of application, minimum and maximum substrate temperatures must be 50°F (10°C) and 90°F (32.2°C), respectively. Temperatures outside these limits may negatively affect film formation, and lead to other application issues detrimental to performance and aesthetics. When pressure-washing concrete always allow the substrate to thoroughly dry prior to application.
- **Mixing** - Prior to use, mechanically agitate or mix *MiraGard Colorbond XL* with drill and paddle at low speed to ensure any settlement of solids are brought back into suspension and to minimize air entrapment.
- **Application - Using spray equipment:** Apply one to two thin even coats depending on substrate porosity, performance and service conditions. The application of two coats is recommended and will always provide the best results. Do not over-apply or allow to puddle onto the surface. **Using Brushes/Rollers:** Apply *MiraGard Colorbond XL* in a continuous uniform film using conventional short nap high quality roller covers, lambswool applicators, or by natural bristle brush.

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### FOR BEST RESULTS

- Always install a minimum 4' by 4' test area or job site mock-up for owner approval of acceptable color, texture, finish, adhesion, and any other critical requirement prior to proceeding.
- Literature is occasionally amended when required so it is best practice to verify current versions of product technical data sheets (PTDS), safety data sheets (SDS), and installation guides (IG's) prior to the submittal process. Download at [www.miracote.com](http://www.miracote.com).
- Always protect materials from excessive heat and cold, and pre-condition to room temperature as necessary.
- Regularly check wet film thickness with a mil gauge. 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 observation and making recommendations, and do not assume any liability for supervision or quality control.
- It is recommended to apply in two coats at the published coverage rates. Do not apply in one thick coat.
- For enhanced chemical resistance, cleanliness and stain resistance apply *MiraGard HDWB* clear acrylic sealer.
- Measure substrate temperatures to ensure that material is applied when temperatures are between 50°F (4.5°C) and 90°F (32.2°C) during placement.

**Caution:** Miracote MiraGard Colorbond XL's slip resistance characteristics can be reduced when used in conjunction with other Miracote sealers.

### LIMITATIONS

- Apply only to clean, relatively dry surfaces.
- Must be applied only to properly prepared substrates.
- Seven to ten days cure required for peak hot tire resistance.

### 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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