MasterProtect® C 350
Water-based, 100% acrylic, smooth, easy-cleaning, waterproof coating

DESCRIPTION
MasterProtect C 350 is a 100% acrylic, smooth, waterproof coating engineered to reduce dirt pickup and to be cleaned via rainwater runoff or a water rinse.

PRODUCT HIGHLIGHTS
• Hydrophobic properties of coating repel water and dirt for long-lasting appearance.
• Dirt-resistant nature of coating helps reduce exterior maintenance costs.
• 100% acrylic formulation provides long-term durability and weather resistance.
• Breathable to permit water vapor to escape.
• Excellent adhesion to concrete and existing coatings results in tight, long-lasting bond.
• UV resistant for excellent color retention.
• Compatible with BASF’s MasterProtect coatings and MasterSeal® joint sealants.
• Low VOC content for broad compliance in all regions.

HOW TO APPLY
SURFACE PREPARATION
1. Surfaces should be sound, clean and free of all bond-inhibiting contaminants.
2. Concrete substrates should be fully cured.
3. Repair any holes, spalled and damaged concrete with appropriate Master Builders Solutions repair materials. Allow appropriate cure time prior to coating.
4. Remove any protruding concrete accessories and smooth out any surface irregularities.
5. Some stains may require chemical removal. Neutralize any cleaning compounds used and rinse with clean water.
6. Check adhesion of old coatings according to ASTM D 3359, Measuring Adhesion by Tape Test, Method A.
7. Remove any blisters or delaminated areas and sand edges to smooth rough areas and provide transition to old paint areas.
8. Treat cracks greater than 1/6” with MasterProtect FL 746 or MasterProtect FL 748 patching compounds. Treat cracks larger than 1/4” as expansion joints and fill with appropriate Master Builders Solutions sealant.
9. New CMU must have a base coat of MasterProtect FL 749 and be pinhole-free.
Technical Data

Composition
MasterProtect C 350 contains water, acrylic emulsion, fillers and other proprietary ingredients.

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>RESULTS</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, lbs/gal (kg/L)</td>
<td>11.8 lbs/gal (1.41 kg/L)</td>
<td>ASTM D 1475</td>
</tr>
<tr>
<td>Solids, % (volume)</td>
<td>41%</td>
<td>ASTM D 5201</td>
</tr>
<tr>
<td>Adhesion to concrete</td>
<td>500 psi</td>
<td>ASTM D 4541</td>
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<tr>
<td>Dirt pickup resistance</td>
<td>&gt;90% retention of reflectance</td>
<td>Miami/Dade TAS 14395 section 7.8 (modified)</td>
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<tr>
<td>Dirt collection</td>
<td>Dc Index = 0.98</td>
<td>ASTM D 3719</td>
</tr>
<tr>
<td>Resistance to wind-driven rain</td>
<td>No water penetration</td>
<td>ASTM D 6904</td>
</tr>
<tr>
<td>Water-vapor permeance, perms</td>
<td>20</td>
<td>ASTM E 96</td>
</tr>
<tr>
<td>Flexibility</td>
<td>No cracking</td>
<td>ASTM D 522</td>
</tr>
<tr>
<td>Fungus resistance</td>
<td>No growth</td>
<td>ASTM D 5590</td>
</tr>
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</table>

Yield

<table>
<thead>
<tr>
<th>RATE FT/GAL/COAT (MILS)</th>
<th>WET FILM MILS (MM)</th>
<th>DRY FILM MILS (MM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>180–280 (47.55–73.97)</td>
<td>5–8 (0.13–0.20)</td>
<td>2–3.3 (0.05–0.08)</td>
</tr>
</tbody>
</table>

*Coverage rates are approximate, and will vary with surface porosity and application technique. For applications requiring waterproofing, apply two coats, or use as a topcoat over a base coat of MasterProtect HB 200 or HB 400.
1. If applying a single coat to bare concrete, prime the surface with MasterProtect P 150 prior to coating. Chalky surfaces should be primed with MasterProtect P 100.

**MIXING**

1. Prior to use, mix MasterProtect C 350 at slow speed with drill and mixing paddle to ensure uniform color and to minimize air entrapment.
2. In multi-pail applications, mix the contents of each new pail into the partially used previous pail to ensure color consistency and smooth transitions from pail to pail.

**APPLICATION**

1. Apply MasterProtect C 350 by brush, spray, roller, or spray-and-backroll.
2. Maintain proper uniform wet-film thickness (WFT) during application to ensure the performance characteristics desired (see yield rates section). Application rate should not exceed 5–8 wet mils. Care should be taken when applying to heavily textured substrates. Fluted masonry and raked joint substrates will require hand detailing to assure an even and successful application.
3. Always work to a natural break and maintain a wet edge during application.
4. For uniformity of color and texture, application techniques must be consistent throughout the project.

**ROLLER**

1. Use a quality ½” (13 mm) nap roller cover. Depending on the surface texture, a 3/8” (9 mm) roller cover may be needed in order to prevent excessive thickness and mud cracking.
2. Completely saturate the roller and keep it loaded with the coating to build the required mils. Never dry roll.
3. Cross roll, maintaining a wet edge, to achieve uniform thickness. Backroll in one direction for consistent appearance.

**SPRAY**

1. Equipment is available for spraying MasterProtect C 350. Contact equipment manufacturer for further recommendations.
2. Backrolling in one direction after spray application is recommended to achieve uniform mil thickness.

**FOR BEST PERFORMANCE**

* Do not apply when substrate or ambient temperature is 40° F (4° C) or below or is expected to fall below 40° F (4° C) within 24 hours after application.
* Do not apply if rain is expected within 24 hours of application.
* Do not use on interior applications, below-grade applications, or for immersion service.
* Not intended for use as a horizontal traffic-bearing coating.
* Apply a 4 ft x 4 ft (1.2 m x 1.2 m) test area to verify acceptable color and adhesion before proceeding with any project. The test method for measuring adhesion is ASTM D 3359, Measuring Adhesion by Tape, Method A. On the 0–5 scale, a minimum adhesion rating of 4A is required.
* Color formulas containing organic colorants are susceptible to fading.
* Do not thin the material.
* For professional use only; not for sale to or use by the general public.
* Make certain the most current versions of product data sheet and SDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
* Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.
HEALTH, SAFETY AND ENVIRONMENTAL
Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.com, e-mailing your request to basfscst@basf.com or calling 1(800)433-9517. Use only as directed. For medical emergencies only, call ChemTrec® 1(800)424-9300.

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