**PRODUCT DATA**

**DESCRIPTION**

MasterGard 400 is a cold applied, high quality asphalt emulsion containing bentonite clay that forms a damp proof barrier on concrete or masonry walls. This breathable film protects against capillary moisture migration while not limiting vapor transmission.

**USES**

- Above or below grade, interior or exterior
- Formed and poured or tilt wall concrete, concrete block, masonry or stone surfaces
- Footings, foundations, retaining walls and fire walls
- CULVERTS, BRIDGE ABUTMENTS, COPINGS, PARAPETS

**ADVANTAGES**

- Excellent bond strength to a variety of substrates and surface textures
- May be applied to damp surfaces or green concrete
- Minimizes vapor transmission and dampness through below grade walls
- Unaffected by soil alkalinity or acidity, organic matter or minerals
- Excellent durability will not peel, blister, sag or remulsify easily applied with brush, roller or spray equipment

<table>
<thead>
<tr>
<th>Test Data</th>
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<tbody>
<tr>
<td>V.O.C.</td>
<td>&lt; 10 g/L</td>
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<tr>
<td>Solids %</td>
<td>50% wt</td>
</tr>
<tr>
<td>Viscosity @ 77°F (24°C)</td>
<td>800 (1000)</td>
</tr>
<tr>
<td>pH</td>
<td>6.2 to 7.0</td>
</tr>
<tr>
<td>Appearance (cured)</td>
<td>Black</td>
</tr>
<tr>
<td>Drying Time @ 70°F(21°C) with 50% relative humidity</td>
<td>6 hours to touch 24 hours to recoat</td>
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<tr>
<td>Dry Film Thickness per coat</td>
<td>16 to 32 mils</td>
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**TECHNICAL DATA**

- ASTM D-1227, Type 3 and ASTM D-1187, Type 1

<table>
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<tr>
<th>Packaging Product Number</th>
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<tbody>
<tr>
<td>5 gal (18.9L)</td>
<td>36 per pallet F3200.05</td>
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<tr>
<td>55 gal (208L)</td>
<td>4 per pallet F3200.55</td>
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**Estimating Guide**

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<th>Coverage dependent on surface texture and porosity</th>
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<tr>
<td>75 to 100 ft²/gal (1.8 to 2.5 m²/L)</td>
<td>Two coats are recommended for optimum performance</td>
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**DIRECTIONS**

**Surface Preparation:** Surface must be clean and free of oil, grease, laitance, dirt, dust, curing or sealing membranes, paints and loose material. Mechanical cleaning with a wire brush, scraper or chipping hammer, followed by vacuuming is recommended. Pressure wash surface as final cleaning step and to pre-dampen surface.

**Mixing:** MasterGard 400 is packaged ready to use. Stir prior to using.

**Application:** Surface to be coated must be kept damp during application procedure. Do not apply to dry substrates. Apply directly from container using a three knot roofing brush, Tarzan roller applicator or power spray equipment. Damp-proofing characteristics are achieved with an unbroken film having no gaps or pinholes.

**Exterior or Foundation Walls Below Grade:** Apply MasterGard 400 in two coats, allowing first coat to become tacky or dry to touch before applying second coat. Dilute first coat of MasterGard 400 by 20 to 25% with clean, cool water. Apply second coat undiluted. Make sure coating is continuous and free of breaks or pinholes. Carry over all exposed top and edge of parapets and footing, and into all joints, grooves and slots, chases, corners and reveals. Follow all breaks in the surface. Allow to set.

Do not place backfill for at least 48 hours after application until material is fully cured. Where possible, place backfill within approximately 7 days. Exercise care that the backfill is placed in a manner that will not damage or rupture the
film or cause the coating or membrane to be displaced on the wall.

**Interior Surfaces Above-Grade Vapor Barrier:** Apply in one coat, carrying the coating in and around all joints, grooves and slots, following all breaks in the surface. Carry into all chases, corners, reveals and soffits of windows and 12” out on adjoining partitions and soffits. Allow to set. Use furring strips or metal lath before plastering.

**CLEAN UP**
Clean tools and equipment with detergent and water.

**STORAGE**
Store tightly closed containers in warm area, away from direct sunlight and sources of heat. Protect containers from freezing during storage and shipment.

**LIMITATIONS**
- Do not apply if ambient or surface temperature is below 40° (4°C). A minimum 40°F (4°C) is required for the full 48 hours curing period.
- Concrete block foundation walls should be treated with ChemSeal before application of MasterGard 400.
- Do not apply if rain is expected before proper set is achieved. Provide adequate protection to keep rain from contacting surface and washing coating from the wall for 6 hours after application.
- Do not use on ceilings or under Portland cement mixes. Not intended for use as a plaster bond.

**Precautionary Statements:**

**DANGER:** May cause respiratory irritation. May be fatal if swallowed and enter airways.

**Precautionary Statements:** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents/container in accordance with local/regional/national regulations.