



ChemMasters®

MasterGard 400

Asphalt Emulsion
Damp-proofing

SPECIALTY CONSTRUCTION PRODUCTS

P R O D U C T D A T A

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 re-emulsify easily applied with brush, roller or spray equipment

Packaging Product Number

5 gal (18.9L)	36 per pallet	F3200.05
55 gal (208L)	4 per pallet	F3200.55

TECHNICAL DATA

- ASTM D-1227, Type 3 and ASTM D-1187, Type 1
- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

Estimating Guide

Coverage dependent on surface texture and porosity

75 to 100 ft²/gal (1.8 to 2.5 m²/L)

Two coats are recommended for optimum performance

Test Data

V.O.C.	< 10 g/L
Solids %	50% wt
Viscosity @ 77°F (24°C)	800 (1000)
pH	6.2 to 7.0
Appearance (cured)	Black
Drying Time @ 70°F(21°C) with 50% relative humidity	6 hours to touch 24 hours to recoat
Dry Film Thickness per coat	16 to 32 mils

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



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April 2018

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.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT PRODUCT & SAFETY DATA SHEETS AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.