



**product data**

**SELECTION & SPECIFICATION DATA**

<b>TYPE &amp; DESCRIPTION</b>	701 Water Based Penetrating Primer / Sealer / Curing Membrane is formulated for maximum penetration into concrete substrates.
<b>ADVANTAGES</b>	Cures quickly to form an exceptionally tough, impact and abrasion resistant primer / sealer / curing membrane. Excellent penetration into, and adhesion to concrete. Minimum down time. Sanitary, non-shrinking polymer. Easy to clean - USDA acceptable.
<b>CHEMICAL RESISTANCE</b>	Not affected by water, oil, brine, most acids, and alkalines. For specific recommendations, please contact Greenstone Technical Service.
<b>USES</b>	Used alone or as part of a penetrating polymer system for priming, sealing or forming a curing membrane over concrete substrates.
<b>GOVERNMENT AGENCY</b>	Meets the requirements of the U.S. Department of Agriculture (USDA) for use as an incidental food contact flooring system.

**FOR INDUSTRIAL USE ONLY!**

<b>PHYSICAL DATA</b>	<b>Compressive Strength, ASTM D695 - 10,500 psi (resin)</b> <b>Tensile Strength, ASTM D638 - 1,750 psi (resin)</b> <b>Flexural Strength, ASTM D790 - 3,550 psi (resin)</b> <b>Thermal Coefficient of Linear Expansion, ASTM D696 - <math>1.2 \times 10^{-5}</math> in/in/°F.</b> <b>Bond Strength, ASTM C-321 - Greater than 350 psi (100% substrate failure).</b> <b>Impact Strength - 130 in/lbs.</b> <b>Indentation - MIL-D-3134F - No Indentation</b> <b>Water Absorption - ASTM C-413 - 0.047%</b> <b>Shelf Life - Minimum 12 months when storage temperature is between 70°F and 85°F.</b> <b>Working Time - approximately 80 minutes at 75°F.</b> <b>Potlife - approximately 60 minutes at 75°F.</b> <b>Cure Time - 701 Water Based Penetrating Primer / Sealer / Curing Membrane will harden in 8-10 hours at 75°F. The warmer the temperature, the faster it cures. Allow a minimum cure of 24 hours for light traffic, and 96 hours for heavy traffic loads and chemical spillage.</b> <b>Flammability - Does not support combustion</b> <b>Moisture Tolerance in Concrete - 11%</b> <b>Solids - 50% (water)</b>
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<b>PACKAGING / COVERAGE</b>	<b>701 Water Based Penetrating Primer / Sealer / Concrete Curing Membrane -</b> <b>1 QUART KIT - covers approximately 80 square feet at 5 mils - containing the following -</b> <b>1 container - Part A (resin)</b> <b>1 container - Part B (hardener)</b> <b>1 GALLON KIT - covers approximately 320 square feet at 5 mils - containing the following -</b> <b>1 container - Part A (resin)</b> <b>1 container - Part B (resin)</b> <b>2 GALLON KIT - covers approximately 640 square feet at 5 mils - containing the following -</b> <b>1 container - Part A (resin)</b>
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<b>SUPPLEMENTAL PRODUCTS</b>	<b>330 Primer, 100 Coating, 140 HS Coating.</b>
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## SURFACE PREPARATION AND SUBSTRATES

### SURFACE PREPARATION

**New Concrete:** Can be used as a curing membrane. Apply as soon as concrete substrate can support foot traffic.

**Existing Concrete:** remove all loose, weak concrete, and any paint wax, oil, grease or other contaminants. Once the concrete has been cleaned and neutralized, mechanical surface preparation shall be used to provide a good bonding tooth, a texture of rough sandpaper, with the removal of all glaze. Examples of mechanical surface preparation including, but not limited to -

- A. Sandblast with steel shot, fine silica, or other similar material.
- B. Wheel Abrader
- B. Scarify

## MIXING AND EQUIPMENT

### MIXING

**Primer** - Mix Part A and B thoroughly.

**Important!** - The working life of the mixed blend is approximately 45 minutes at 75°F. Mixed materials remaining in a container will produce heat. Keep away from combustible materials. Do not reseal containers!

## APPLICATION AND SAFETY

### APPLICATION

**PRIMER: Apply approximately 5 mils of Primer / Sealer / Curing Membrane by brush, roller or spray over the entire surface (approximately 320 square feet per gallon).**

**CURE TIME - 701 Penetrating Primer / Sealer / Curing Membrane will harden in 8-10 hours at 75°F. The warmer the temperature, the faster the cure. Allow 24 hours, at 75°F, for light traffic, and 96 hours for full CLEAN-UP - Cured or hardened 701 Primer / Sealer / Curing Membrane is almost impossible to remove.**

**Clean tools and equipment immediately with hot soapy water.**

### SAFETY

Observe good personal hygiene. Certain personnel may be sensitive to various types of resins which may cause dermatitis. Avoid contact with skin and breathing of vapor. Read and follow all caution statements on product info bulletin, material safety data sheet and container labels for this product. This bulletin provides standard information for the system and application procedure. Since varying application conditions may not be covered, consult Greenstone Technical Service Department for further information.

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We guarantee our product to be free of defects in material and workmanship, and to be in accordance with our company quality control standards. All data, statements and recommendations made herein are based upon information we believe to be reliable, but are made without any representation or guarantee or warranty of accuracy and are made with reservation of all patent rights. Our products are sold on the condition that the user will evaluate them, as well as our recommendations, to determine their suitability for his own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations. Liability under any condition shall be limited to replacement of material only. No liability is assumed or implied, for injury to personnel, labor costs, product loss or any other expenses incidental to the structure or operation of the plant and equipment where the system is being applied.