

GREENSTONE

Polymer Systems Inc.

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Greenstone 430 Primer

product data

SELECTION & SPECIFICATION DATA

TYPE & DESCRIPTION	Greenstone 430 Primer is a urethane based primer formulated for optimum physical properties, when used in as part of a complete 400 series Mortar / Surfacer / Grout system. Not suitable for use as a stand alone product.
ADVANTAGES	Cures quickly to form an exceptionally tough, impact and abrasion resistant primer. Excellent adhesion to concrete, steel, and wood. Minimum down time. Sanitary, non-shrinking polymer. Easy to clean - USDA acceptable.
CHEMICAL RESISTANCE	Not affected by water, oil, brine, most acids, and alkalines. For specific recommendations, please refer to Greenstone's Chemical Resistance Guide, or contact Technical Service.
USES	Used as part of a polymer system for resurfacing floors in food production plants, aisle ways, chemical spill containment area's, industrial production facilities, and pulp and paper mills.
GOVERNMENT AGENCY	Meets the requirements of the U.S. Department of Agriculture (USDA) for use as an incidental food contact flooring system.

FOR INDUSTRIAL USE ONLY!

PHYSICAL DATA

Shelf Life - Minimum 6 months when storage temperature is between 70°F and 85°F.

Working Time - approximately 30 minutes at 75°F.

**Cure Time - 430 Primer will harden in 10-14 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.**

Flammability - Does not support combustion

Solids - 100%

PACKAGING / COVERAGE

430 PRIMER -

1 QUART KIT - covers approximately 50 square feet at 8 mils - containing the following -

- 1 container - Part A (resin)**
- 1 container - Part B (hardener)**

1 GALLON KIT - covers approximately 200 square feet at 8 mils - containing the following -

- 1 container - Part A (resin)**
- 1 container - Part B (resin)**

SUPPLEMENTAL PRODUCTS

430 Mortar, 450 Grout

SURFACE PREPARATION AND SUBSTRATES

SURFACE PREPARATION

New Concrete: must have a minimum of 28 days cure, and no curing agents or sealers shall be used. Remove oil, grease or other loose or foreign materials and contaminants. A good bonding tooth, the texture of rough sandpaper, is required to maximize adhesion, with the removal of all glaze. Examples of mechanical surface prep including, but not limited to -

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

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

Note: Holes and depressions 1/4" or deeper should be prefilled with 450 grout, or a similar system, prior to application. All surfaces must be dry prior to application of polymer system.

MIXING AND EQUIPMENT

MIXING

Primer - Mix Part A and B thoroughly and spread evenly at approximately 8 mils (200 square feet per gallon).

Important! - The working life of the mixed blend is approximately 30 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 8 mils of Primer by brush or roller.

CURE TIME - 430 Primer will harden in 8-14 hours at 75°F. The warmer the temperature, the faster the cure. Allow 24 hours, at 70°F, for light traffic, and 96 hours for full cure.

CLEAN-UP - Cured or hardened Greenstone 430 Primer is almost impossible to remove. Clean tools and equipment immediately with hot soapy water, or a mixture a acetone and ethanol.

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.

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.