

### product data

#### SELECTION & SPECIFICATION DATA

<b>TYPE &amp; DESCRIPTION</b>	133 Decorative Coving is a 100% solids trowel applied epoxy system, designed for vertical applications, at 1/8" nominal film thickness.
<b>ADVANTAGES</b>	Cures quickly to form an exceptionally tough, impact and abrasion resistant system, cured at temperatures as low as 50°F. Excellent adhesion to concrete, steel, and wood. 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 refer to Greenstone's Chemical Resistance Guide, or contact Technical Service.
<b>USES</b>	Used as part of a polymer system for resurfacing substrates in food production plants, aisle ways, chemical spill containment area's, industrial production facilities, and pulp and paper mills.
<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>	<p>Working Time - Primer - 50-60 minutes at 75°F, Coving Mortar - 25 minutes at 75°F, Topcoat - 35 minutes at 75°F.</p> <p>Potlife - Primer - 45 minutes at 75°F, Coving Mortar - 15 minutes at 75°F, Topcoat - 20 minutes at 75°F.</p> <p>Cure Time - Coving Mortar will harden within 4-8 hours at 75°F. Topcoat will harden within 8-12 hours at 75°F. The warmer the temperature, the faster each component will cure. Allow a minimum cure of 24 hours for light traffic, and 96 hours for heavy traffic loads and chemical spillage.</p> <p>Solids - 100%</p> <p>Colors - Numerous color combinations (contact Sales for color selection details)</p>
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#### PACKAGING / COVERAGE

**133 DECORATIVE COVING SYSTEM is applied as a wet Primer, Coving, and clear Topcoat.**

**Components - 133 Coving Primer, 133 Coving, 133 Coving Topcoat - each sold separately.**

**133 Coving Primer - (required) -**

**1 QUART KIT - covers approximately 50 square feet at 8 mils -**

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

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

**133 Coving - (required) -**

**1 KIT - covers approximately 10 square feet at 1/8" -**

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

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

**10 pounds - Part C (chemical resistant color-quartz aggregate - including 1 measuring tool to proportion aggregate).**

**133 Coving Topcoat - (required) -**

**1 QUART KIT - covers approximately 50 square feet at 8 mils -**

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

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

#### SUPPLEMENTAL PRODUCTS

**133 Decorative Broadcast**

#### SURFACE PREPARATION AND SUBSTRATES

<b>SURFACE PREPARATION</b>	<b>New Concrete:</b> 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 -
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- 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 350 grout, or a similar system, prior to application. All surfaces must be dry prior to application of polymer system.

**Metal Surfaces:** Degrease surface prior to sandblasting. Use organic solvents, alkaline solutions, steam, hot water with detergents, or other systems that will completely remove dirt, oil, grease, etc. Blast the surface to near white SSPC-SP 10-70, or NACE No. 2 using a Venturi blast nozzle with 100psi air. To produce the 4 mil minimum anchor pattern or tooth, the blasting media used shall be a properly graded, clean, sharp angular abrasive similar to Humble Abrasive Flint S7 (6-30 mesh), Steel Grit (HG25), or Black Beauty (BB1040).

## MIXING AND EQUIPMENT

### MIXING

**133 Primer** - Mix Part A and B thoroughly, with a low rpm "jiffy" type mixer for 2 minutes, until homogeneous.

**133 Coving** - Empty the contents of Part B into Part A and mix thoroughly. When completed, empty the container into a mechanical mixer, draining the container for approximately 30 seconds. Start the mixer, and slowly add the Part C, chemical resistant aggregate, and mix the three components for approximately 3 minutes - until completely homogeneous. Note - Person mixing should wear a dust mask or respirator.

**Mixer:** A mechanical mixer designed for quick, through mixing of aggregate epoxy systems similar to those manufactured by -

Kol Mixal	Quick Stir, INC.
Div. of Man U Fab Inc.	P.O. Box 327
7740 Main St. N.E.	Port Clinton, Ohio 43452
Minneapolis, MN 55432	

**Important!** - The working life of the mixed blend is approximately 20-30 minutes. Mixed materials remaining in a container will produce heat. Keep away from combustible materials. Do not reseal mixed containers!

## APPLICATION AND SAFETY

### APPLICATION

**Caution!** Application in direct sunlight, resulting in rising substrate temperature, may cause blistering of the materials due to expansion of entrapped air or moisture in the concrete. Concrete surfaces that have been in direct sunlight must be shaded for 24 hours prior to application, and remain shaded until the initial set of the polymer. When the substrate temperature is rising, it is recommended to postpone application.

**Minimum application temperature:** Do not apply when substrate temperature is below 50°F. For application, the 133 Primer, Coving & Topcoat, resin & hardener should be at a minimum temperature of 75°F. Always spread the material as soon as blended.

**133 Coving Primer:** Spread the mixture with a medium (3/8") nap roller at a rate of 50 square feet per quart (8 mils).

**133 Coving:** Into the wet primer, trowel the Coving system smooth, at a rate of 10 square feet per batch.

**CURE TIME** - Greenstone 133 Coving will harden in 4-8 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 cure.

**133 Coving Topcoat:** Spread the mixture with a brush or short nap (1/4") nap roller at a rate of 50 square feet per quart (8 mils).

**CURE TIME** - Greenstone 133 Topcoat will harden in 8-12 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 cure.

**CLEAN-UP** - Cured or hardened Greenstone 133 Decorative Broadcast is almost impossible to remove. Clean tools and equipment immediately with hot soapy water, or a mixture of 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.