



product data

SELECTION & SPECIFICATION DATA

TYPE & DESCRIPTION	765 Tile Grout is an accelerated, three component water based - portland cement / polymer jointing compound, used to repoint tile or for new tile installations. Formulated with exceptional corrosion protection while providing a fast-set, tough wear-resistant surface.
ADVANTAGES	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. 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 filling brick or tile joints, cracks, non-moving joints, and as the underlayment for brick or tile.
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	Compressive Strength - 5800 psi Tensile Strength - 1,750 psi (resin) Impact Strength - 100 inch pounds. Water Absorption - 0.056% ASTM C-413. <u>Working Time - approximately 12-15 minutes at 75°F.</u> <u>Potlife - 30-45 minutes at 75°F.</u> Cure Time - hardens in 2-3 hours at 75°F. The warmer the temperature, the faster it cures. Allow a minimum cure of 6 hours for light traffic, and 24 hours for heavy traffic loads and chemical spillage. Colors - Black, Dark Gray
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PACKAGING / COVERAGE	765 Tile Grout - available kit sizes - 1.25 GALLON KIT - is equivalent to approximately 295 cubic inches Supplied in a two gallon pail containing the following - 1 container - Part A (resin) 1 container - Part B (hardener) Part C (Accelerated portland cement / aggregate blend) 1/2 GALLON KIT - is equivalent to approximately 118 cubic inches Supplied in a one gallon pail containing the following - 1 container - Part A (resin) 1 container - Part B (hardener) Part C (Accelerated portland cement / aggregate blend)
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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
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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: Large holes and depressions can be prefilled with 260 Liner, 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

Mortar - Empty the contents of **PART B into Part A** and mix thoroughly (1-2 minutes). When completed, slowly add the mixture into the Part C, chemical resistant aggregate, and mix the three components until completely homogeneous. Note - Person mixing should wear a dust mask or respirator.

Mixer: A mechanical mixer designed for quick, thorough mixing of aggregate 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 45 minutes. Always pour mixed batches as soon as possible. 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 surface 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.

Pour the material on the surface and using a trowel or grout float, work the polymer system down into the cracks. Remove as much excess material from the surface immediately. Wipe the surface of the tile with warm water and detergent, using a rag, burlap, or synthetic pad. This procedure can be repeated until all residue is removed.

CURE TIME - Will harden to the touch in approximately 1-3 hours at 75°F. The warmer the temperature, the faster the cure. Allow 6 hours, at 75°F, for light traffic, and 24 hours for chemical spillage.

CLEAN-UP - Cured or hardened 765 Tile Grout is almost impossible to remove. Clean tools and equipment immediately with hot soapy water, or a mixture of acetone and denatured alcohol.

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.