PROTECTIVE FLOORINGS & LININGS
A DIVISION OF A.W. CHESTERTON COMPANY

PRODUCT INFORMATION SHEET

3500 GROUT

PITCHING AND FILLER

DESCRIPTION:

3500 Grout is trowel-applied at a minimum of ½ inch thick. It is used to fill eroded areas or create a pitch prior to the application of a 3000 series flooring systems, DECO-QUARTZ HB Flooring Systems, and 2600 LS and 2670 LS Lining Systems. 3500 Grout can be installed up to 8" thick and requires minimal cure time before the application of a top coat.

ADVANTAGES:

- 100% Compatible With Finish Systems
- Stronger Than Concrete Fill
- Minimal Cure Time Required
- Can Be Applied Down To 1/2".
- Prepackaged; Easy To Mix
- Compacts And Trowels Easily
- Excellent Adhesion

USES:

- Fill Damaged Areas
- Build Up Low Areas
- Curbs and Pads
- Patch Machinery Footprint Damage
- Slope To Drains

SUPPLEMENTAL PRODUCTS:

- 3300 Primer
- 3300 Series And DECO-QUARTZ HB Finish Flooring Systems
- 2600, 2670 Linings Finish Lining Systems

PACKAGING AND COVERAGE:

3500 Grout – packaged in batches -

1 Batch Kit – covers approximately 8 square feet at ½ inch (500mils), consisting of the following –

1 container – Part A (resin)
1 container – Part B (hardener)
1 bag – Part C (chemical resistant aggregate)

3 Batch Kit – covers approximately 24 square feet at ½ inch (500 mils), consisting of the following –

1 container – Part A (resin)
1 container – Part B (hardener)
3 bags – Part C (chemical resistant aggregate)

Required – 3300 Primer

PROPERTIES:

Compressive Strength	11,500 psi ASTM C-579 (resin)
Tensile Strength	1,750 psi ASTM D-638 (resin)
Flexural Strength	3,500 psi ASTM C-580 (resin)
Bond Strength	Greater than 350 psi ASTM C-321 100% concrete failure
Flammability	Will not support combustion
Working Time at	20-30 minutes 75^{O}F (24^{O}C) ASTM C-308
Shelf Life	1 Year
Solids by Content	By Weight 100% By Volume 100%
Maximum Depth of Pour	8 inches

SURFACE PREPARATION:

3500 Grout may be installed only on clean, sound substrates

Concrete:

New concrete must be cured a minimum of 28 days. All coatings, oils, grease and unsound concrete must be removed. Concrete surfaces must then be acid etched, scarified or shot blasted to remove surface laitance. A good bonding tooth, the texture of 60 grit sandpaper, is desired for maximum adhesion, with removal of all surface glaze.

Metal Surfaces:

Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. The blasting media used shall be properly graded, clean, sharp, angular abrasive similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

MIXING:

Prior to mixing, materials should be stored at 70°F (21°C) at least 48 hours. Required; 3300 Primer – empty entire contents of the Part B into Part A, and mix for 2 minutes. Roll primer on to floor area at a rate of 50 square feet per batch. 3500 Grout - empty the entire contents of Part B into Part A and mix thoroughly for 2 minutes. Empty mixed batch into mixer and slowly add the entire contents of Part C (aggregate). Mix for 2 minutes. Pour the mixture onto the floor immediately after mixing. Do not allow the mixture to sit in a pail as this will greatly reduce the working time of the material.

APPLICATION:

Substrate temperature should be 60°-85°F (18°-29°C) during installation and 96 hours thereafter for complete cure. Do not apply 3500 Grout when floor temperature is below 50°F (16°C). Pour the entire batch onto the floor as soon as blended and trowel smooth with a steel trowel. Only prime areas you expect to overlay within 1-2 hours.

CURE TIME:

3500 Grout will harden for to be top coated in 6-8 hours at 75°F (24°C). Full cure will occur after 96 hours at 75°F (24°C).

CLEANUP:

Cured or hardened 3500 Grout will bond to practically all surfaces and is extremely difficult to remove. Clean all tools and mixer immediately after use with acetone or other solvent based cleaners.

SAFETY:

Avoid Skin contact. If eye contact occurs, flush with water and consult a physician immediately. Keep work areas well ventilated. Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to explode. 3500 Grout Material Safety Data Sheets are available upon request.

IMPORTANT NOTICE TO PURCHASER:

The following is made in lieu of all warranties, expressed or implied. Seller and manufacturer's only obligation shall be to replace such quantities of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential arising out of the use of or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. The foregoing may not be altered unless written authorization is received from PROTECTIVE FLOORINGS AND LININGS, A DIVISION OF A. W. CHESTERTON.

Revised 01/16/07