

PRODUCT INFORMATION SHEET
3300 CT FLOORING SYSTEM
 1/4 INCH COLD TEMPERATURE CURE MORTAR

DESCRIPTION:

3300 CT is a three-component flooring system, trowel-applied at a minimum 1/4 inch, at temperatures as low as 30°F (-2°C). 3300 CT is U.S.D.A. acceptable for food processing plants, has excellent resistance to most acids, caustics, detergents and other corrosive materials, and is excellent for overlaying or patching floor surfaces.

ADVANTAGES:

- Prepackaged – Easy To Use
- Excellent Adhesion
- Short Down Time – Quick Cure
- Easy To Clean - U.S.D.A. acceptable.
- Chemical Resistant
- Environmentally safe.

USES:

- Food Production Plants
- Forklift Aisle ways
- Chemical Spill Containment Areas
- Industrial Production Facilities
- Warehouses

SUPPLEMENTAL PRODUCTS:

- 3300 CT Primer
Roller Applied Primer
- 3500 CT Grout
Pitching and Filler
- 3000 CT VS
Vertical Surfaces and Coves
- 3300 CT Veil Coat
Chemical Resistant Sealer

PACKAGING AND COVERAGE:

3300 CT – Mortar – packaged in batches -
 1 Batch Kit – covers approximately 16 square feet at 1/4 inch (250 mils).
 1 container – Part A (resin)
 1 container – Part B (hardener)
 1 bag – Part C (chemical resistant aggregate)

Larger Packaging Available – 3 Batch Kit – covers approximately 48 square feet at 1/4 inch (250 mils).
 1 container – Part A (resin)
 1 container – Part B (hardener)
 3 bags – Part C (chemical resistant aggregate)

Required: 3300 CT Primer

PROPERTIES:

Compressive Strength	11,500 psi ASTM C-579 (resin)
Tensile Strength	1,700 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
Coefficient of Thermal Expansion	1.2 x 10 ⁻⁵ in./in./°F
Impact Strength	130 in./lbs.
Indentation	No indentation
Flammability	Does not support combustion
Water Absorption	0.047% ASTM C-413 24 hours in H2O
Working Time at 35°F	20-30 minutes ASTM C-308
Shelf Life	1 Year
Colors	Red, Gray, Black
Solids by Content	By Weight 100% By Volume 100%

SURFACE PREPARATION:

3300 CT 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 so the materials are easier to pour out of the containers.

Mortar: Empty the entire contents of Part B into Part A and mix thoroughly for two minutes. Empty mixture into a mixer and slowly add the entire contents of Part C (aggregate). Mix the entire system for two minutes. Pour the mixture onto the floor immediately after mixing. Do not allow the mixture to sit in a pail as this can reduce the working time of the material.

APPLICATION:

Substrate temperature must be a minimum 30° F (-2°C) during installation and for 7 days for complete cure. Do not apply 3300 CT when floor temperature is below 30°F (-2°C). Pour the entire batch onto the floor as soon as blended and trowel smooth with a steel trowel.

CURE TIME:

3300 CT will harden to foot traffic in 4-6 hours at 75°F (24°C), 8-10 hours at 50°F (10°C) or 18-24 hours at 30°F (-2°C). Maximum chemical resistance will occur after 7 days at 30 degrees F (-2 degrees C).

CLEANUP:

Cured or hardened 3300 CT 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 reaction may cause container to explode. 3300 CT 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.