

THE CTI SYSTEM SERIES
110/111/112 MODIFIER
SERIES 105 GROUT

DESCRIPTION

The CTI system is a modified acrylic resin, cement spray coat system. Excellent for areas such as driveways, walkways, pool decks, and balconies as well as vertical surfaces. The CTI system is also an excellent concrete restoration product, exhibiting high compressive, adhesion, and flexural and tensile strengths. Ideally suited for application in Commercial and Industrial floor restorations, where an industrial topcoat is required.

USES

1. Exterior or interior surfaces.
2. For on-grade or above grade decks.
3. Freeze-thaw resistant.
4. Resistant to most chemicals.
5. Alkali resistant.
6. May be applied at varying thickness, from featheredge up to 2" thick.
7. Cure time may be accelerated with the addition of Series 111 Quick Set Modifier.
8. High bond strength to a wide variety of substrates including concrete, masonry, and Polymeric Foam.
9. Superior mechanical strength properties. Tensile strength, flexural strength, and impact.
10. FLASHPOINT: Non-flammable.
11. Compatible with coefficient of thermal expansion of concrete. Passes ASTM C-844 (modified)

PACKAGING

Series 105 Grout is packaged in 50lb. bags. Series 110, 111 Quick Set and 112 Spraymark Acrylic Bonding Resins are packaged in 5-gallon pails.

TECHNICAL DATA – CTI System

COLOR: White, colors achieved through color integration or use of CTI stains, sealers and finishes.

SHELF LIFE: 1 year unopened.

STORAGE CONDITIONS: Store dry at 40° F-95° F. Condition material to 65° F-85° F before using. Protect additive from freezing or discard.

SERIES 110/111/112 MODIFIER

RESIN: Acrylic Polymer

COLOR: Milky

SOLIDS CONTENT:	By weight - 30%	By volume - 28%
	Viscosity - 65 KU	Wt./gal. - 8.7
	PH - 9.0	Flashpoint – Non-flammable

SERIES 105 GROUT

Contains Portland Cement and crystalline – free silica. Avoid breathing dust, use with adequate ventilation. Some components are skin and eye irritants; avoid contact. The use of NIOSH/MSHS approved respirator, safety goggles, and rubber gloves is recommended.

COMPRESSIVE STRENGTH (ASTM C-109-73): PSI 28 days 5,715 PSI

FLEXURAL STRENGTH (ASTM C-348-72): PSI 28 days 1,585 PSI

TENSILE STRENGTH (ASTM C-190-72): PSI 28 days 615 PSI

SHEER BOND STRENGTH 20 DAYS: 650 PSI

ABRASION RESISTANCE: (% Weight loss): 28 days 18 in.-lbs.

CHLORIDE ION RESISTANCE: Ponding 3% Sodium Chloride/60 days 100% at 1” depth.

FREEZE-THAW RESISTANCE: (ASTM C-291) Passes 60 cycles.

UV RESISTANCE: No discoloration when exposed to Ultra-Violet light.

H2SO4 (Sulfuric Acid): 10% solution: 5-minute immersion: Unaffected.

NAOH (Sodium Hydroxide): 10% solution: 5-minute immersion: Unaffected.

CITRIC ACID: 10% solution: 5 minute immersion: Unaffected.

GASOLINE: 5 minute immersion: Abrades slightly.

LACTIC ACID: 10% solution: 5 minute immersion: Unaffected.

COVERAGE

Coverage varies with texture type, substrate conditions, and application procedure. For basic texture pattern applied over sound, properly prepared concrete substrate, one bag yields approximately 100-sq. ft. of coverage. For scratch coating, average coverage per bag is 100-sq. ft. per bag. Estimated coverage is dependent on condition of substrate.