

Super-Tek Super-Cryl

ACRYLIC ADDITIVE FOR ENHANCING CEMENT MORTAR, STUCCO, PLASTER, AND CONCRETE MIXES

1. MANUFACTURER

Super-Tek Products, Inc.

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2. PRODUCT DESCRIPTION

An acrylic additive for enhancing Portland cement mortar, stucco, plaster, and concrete mixes.

- o Increases bond, compressive, and tensile strengths
- o Interior / Exterior Use
- o Improves chemical resistance
- o Improves freeze-thaw stability

3. INSTALLATION

USES: To increase bonding when application is made over concrete or masonry surfaces. May be added to SuperSeal for waterproofing applications. Mix with pointing mortars, such as to improve adhesion and curing. With cement plaster to increase bonding and reduce cracking. As an admixture to portland cement-based mixes and toppings for patching or resurfacing concrete floors, sidewalls, driveways, steps, ramps, etc.

APPLICATION: Surfaces must be clean and free of all oil, grease, dust, laitance, efflorescence and loose material. Sweep or blow clean area to be surfaced. Dampen area but do not leave standing puddles. Stir or gently shake Super-Cryl before using. Add concrete mix to liquid in a clean container and stir slowly. Mix until uniform, generally one to two minutes. Do not overmix or use high speed drills as this will cause air entrainment and foaming. A slurry coat of Super-Cryl/cement may be applied to remove air pockets and enhance adhesion. Promptly place mix over area and trowel lightly to obtain desired surface drying. Insufficient curing may occur. This may be prevented by covering surface with wet burlap. Area should be ready for normal use in one to two days. Four day cures are required for heavy traffic areas. Do not use at temperatures below 45°F (7°C) or above 95°F (35°C).

SPECIAL MIXES: Concrete patching: Use Super-Cryl full strength with 1/3 cement/sand mixes and gravel mixes. For thick patches mix two parts Super-Cryl to one part water. As an additive for SuperSeal or SuperJoint mix one part Super-Cryl with three parts water. Where maximum performance is required or where adhesion is questionable always use a greater concentration of Super-Cryl. If doubt exists, apply a test patch and verify results.

LIMITATIONS: Do not fill tanks or pools for at least seven days after repairing with Super-Cryl. Mixes should be applied at temperatures of 45°F or greater. Do not use with air entrained cement. Protect from freezing. If frozen, thaw material and stir. If material can be stirred without lumps, the bonding qualities have not been impaired.

CURING: Jobsite temperature must remain between 45°F and 95°F for a minimum of 72 hours after installation.

WARNING! EYE AND SKIN IRRITANT. BREATHING DUST MAY CREATE LUNG CANCER RISK. CONTAINS CRYSTALLINE SILICA AND PORTLAND CEMENT. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. In case of eye contact, immediately flush with plenty of water for at least 15 minutes, consult a physician immediately. For skin contact, wash affected area

with soap and water. For additional information, see Material Safety Data Sheet (MSDS) for this product.

4. TECHNICAL DATA

Super-Tiler mixed with Dual Mix Thin-Set Mortar

ANSI A118.4 -1999 Test/Test Results

28 Day Shear Strength (Impervious Ceramic Mosaic Tile) ----- 385 psi

7 Day Shear Strength (Water Immersion) ----- 250 psi

Physical Properties

Open Time at 72°F (22°C) ----- >50 minutes

Pot Life at 72°F (22°C) ----- 1-2 hours

5. COVERAGE:

When mixed with thin-set:

Ceramic, quarry, vitreous & natural stone tiles (includes lug-backed tiles) up to 12" X 12" in size: 1/4" x 3/8" x 1/4" Square-notched trowel. Approx. coverage 50-55 sq. ft. per 50 lb. bag.

Ceramic, quarry, & vitreous tiles up to 6" X 6" in size: 1/4" x 1/4" x 1/4" Square-notched trowel. Approx. coverage 75-85 sq. ft. per 50 lb. bag.

Ceramic mosaics: 3/16" x 3/16" V-notched (saw tooth) trowel. Approx. coverage 100-115 sq. ft. per 50 lb. bag.

Trowel Sizes Note: When installing tiles larger than 12" x 12" use appropriate sized trowel to ensure 100% coverage of tile back (i.e. 3/4" U- notched trowel). Coverage will vary.

6. PACKAGING:

1 Gallon, 2 Gallon & 5 Gallon pails. Color: White.

7. SHELF LIFE:

Store in original, tightly sealed container at room temperature. PROTECT FROM FREEZING. Product is freeze-thaw stable but freezing should be avoided whenever possible. Excessive cycling or prolonged frozen states can damage the adhesive. Shelf life is one year from date of manufacture.

8. NOTICE AND WARRANTY DISCLAIMER:

The MANUFACTURER has provided the enclosed Instructions/Recommendations [I/R] to assist the USER in the application of this product. These I/Rs are not warranted to be comprehensive, complete, thorough or conclusive as regards any specific installation. It is the USER'S obligation to ensure that the product is suitable for it's intended use and that it is compatible with existing conditions or applications of other coincident or adjoining materials. The liability of the SELLER and the MANUFACTURER, whether express or implied, whether in contract or in tort, arising out of warranties, representations, instructions or defects from any cause shall be limited exclusively to replacing the product, provided the same is proved defective, or refunding the purchase price upon return of the unused product. In no event will SELLER or MANUFACTURER be liable for consequential damages, including but not limited to, loss of materials, costs of labor, loss of profits, costs of replacement goods, or other commercial loss. The USER accepts the product AS IS, and without warranties expressed or implied.

9. TECHNICAL ASSISTANCE

Information is available by calling Super-Tek Products:

Mon. thru Fri. (Hours 8:00 AM to 4:30 PM EST)

Telephone: (718) 278-7900

FAX: (718) 204-6013

To receive product information or Material Safety Data Sheets via fax 24 hours 7 days, call: (718) 278-5311