

TK-TRI-SHEEN PIGMENTED STAIN PLUS 5275

Wood/Concrete Composite Noise Barrier Panel Coating

Item No. TK-5275 series

PRODUCT DESCRIPTION

TK-TRI-SHEEN PIGMENTED STAIN PLUS 5275 is a low viscosity, opaque, acrylic emulsion specially designed for wood/concrete composite noise barrier panels. Its acrylic resins and unique formulation create a uniformly colored finish that lasts. Available in standard and custom color options.

Features:

- Acts as a protective shield against substrate damage due to abrasion, weathering and surface degradation.
- Breathable film allows trapped moisture to pass through successfully without loosening or peeling the coating.
- Protects against water damage without disrupting the sound absorbing qualities of the panel.
- Provides color uniformity and long-lasting color retention to the substrate.
- Odor free and VOC compliant.

USES:

Suitable for exterior use on wood/concrete composite noise barrier panels. May also be used for bush hammered concrete, precast panels, stucco, brick, block, stone or any properly prepared cementitious surface.

APPLICATION PROCEDURES

PREPARATION:

Suggested methods of surface preparation are via power washing using a minimum of 3000 psi or greater, or by sandblasting, sanding or wire brushing. Any foreign matter including waxes, mildew and previous loose coatings must be removed before applying. TK-TRI-SHEEN PIGMENTED STAIN PLUS 5275 should only be applied to dry, sound and frost-free surfaces. Any repairs such as filling of bug holes and cracks or cleaning/removal of mortar should be complete prior to application.

A test area of 150 square feet should be applied to the prepared surface to check for surface qualification, adhesion and color approval before proceeding with full application.

MIXING:

TK-TRI-SHEEN PIGMENTED STAIN PLUS 5275 should be stirred for 5-10 minutes using a low-speed agitation mixer. When multiple containers are to be used, blend together (or "box") as necessary to ensure uniform color throughout the job.

APPLICATION:

TK-TRI-SHEEN PIGMENTED STAIN PLUS 5275 should be applied as a stain, rather than as a heavy paint-like coating. Apply with brush, roller or sprayer. If an airless sprayer is to be used, it should have a tip size of .015" - .018" with a 40°-60° fan. If rolling, use care not to load an excessive amount of material on the surface as it should result in a thin, even coat.

TECHNICAL DATA

Composition and Materials:	A 100% acrylic resin suspended in an aqueous emulsion with inorganic oxide tinting pigments for long-term color stability.
Non-Volatile Content:	41 +/- 1%
Viscosity:	64-68
Initial Gloss:	< 4% @ 60° max.
Dry Film Thickness:	1.0-1.5 mils
Flash Point:	None
Reduction:	None, ready to use
Dry Time*	To Touch: 30-45 minutes Recoat/Light Traffic: 2 hours Full Cure: 24-48 hours
VOC Content:	< 100 g/l
A.I.M Category:	Stains, Opaque Maximum VOC 350 g/l

*Cooler temperatures and higher humidity rates will extend dry time

APPLICABLE STANDARDS

ASTM G154: Accelerated Weathering-QUV	- No checking, cracking, blistering, chalking or color change after 2400 hours of weathering. - 5A adhesion rating after 2400 hours of weathering.
ASTM B117: Resistance to Salt Spray	No film defect after 500 hours of exposure
ASTM D2794: Impact Resistance	80 inch-pounds direct impact resulted in no film chipping
ASTM D522 Method B: Flexibility	1/8" diameter mandrel resulted in no cracking, breaking, etc.
ASTM D2486: Scrub Resistance Testing	740 cycles resulted in no failure
ASTM D3359: Adhesion Testing	Method A: (X-Cut Tape Test) No peeling or removal, classification 5A Method B: (Cross-Cut Tape Test) No film loss, classification 5A
Chemical Resistance: 10% Sodium Hydroxide: 10% Ammonium Hydroxide:	No softening or color change No softening or color change
Resistance to Wind Driven Rain: Rilem Tube Method #1 1.4	Zero water penetration over 4 hours of exposure

The final appearance of the product should be that of a uniformly colored surface without streaks or thin spots.

Generally, only one coat is required. However, due to various substrates and application procedures, multiple coats may be necessary.

New Concrete Surfaces - Concrete must be 28 days old (at minimum) and should have had adequate time to fully dry before applying this product. Consult TK Products for application recommendations where concrete surfaces are less than 28 days old. Repair any surface defects, and remove any laitance of efflorescence before applying. If a curing compound has been used, it must either be removed or have fully dissipated. The surface pH should be tested, and must be at 12 or below at the time of application.

CLEAN UP:

Clean tools and equipment immediately with warm soapy water.

COVERAGE:

Surface	Coverage
Wood/Concrete Composite Noise Barrier Panels	200 sq.ft./gal/coat (two coats)
Bush hammered concrete, precast panels and other cementitious surfaces	250-350 sq.ft./gal

Coverage rates are provided as a guideline only. Many factors including surface texture, porosity and weather conditions will determine actual coverage rates.

LIMITATIONS:

- Avoid application in direct sunlight or during extremely hot or windy conditions.
- Ambient air and surface temperatures should be at least 40°F at the time of application and should not fall below 40°F during the curing process.
- It is recommended that the coating be allowed 24 hours of cure time before being exposed to rain as heavy rain or down bursts may cause wash off of the material if not fully cured.

FIRST AID:

- Consult this product’s safety data sheet for additional health and safety information. Safety Data Sheets are available through TK distributors, the TK office and the TK website.

AVAILABILITY:

TK-TRI-SHEEN PIGMENTED STAIN PLUS 5275 is available through TK Distributors. Contact TK Products for the nearest distributor.

Available in standard and custom color options. Please submit custom color standards for pricing.

Packaged in 55-gallon drums and 5-gallon pails.

FOR PROFESSIONAL USE ONLY

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TK Products Construction Coatings

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