

TRÜNANO™ VCT ARMOR

Complies with SCAQMD
VOC: Less than 100 g/L
LEED 7 Points CARB

DESCRIPTION

TruNano™ VCT Armor is a coating designed to protect Vinyl Composition Tile flooring from normal destructive forces. TruNano™ VCT Armor provides a low-maintenance, long lasting barrier with superior resistance to moisture, stains, abrasion and mild acids.

SURFACE

Vinyl Composition Tile

SOLUTION

Moisture, Stains and Food Acids.

MATERIAL RESISTANCE CHART

CHEMICAL	RESULT
Moisture	No Effect
Food Acids	No Effect

CHARACTERISTICS

Color: Translucent red or pink
 Finish: Gloss
 Vehicle Type: Solvent Base
 Flash Point: (C Penskey-Martens closed Cup)
 16.7C/62.1F
 VOC: less than 100 g/L
 Weight per Gallon: 7.36 lbs.
 Non-breathable
 Not for use as a hydrostatic barrier.

SPREAD RATE

Recommended Spread Rate per coat:
 Wet mils: 4.0

COVERAGE

Coverage: 350-400 Sq. Ft./Gal. (approximate) Coverage will vary depending on the porosity and texture of the substrate.

EXPECTED WEAR

TruNano™ VCT Armor will protect the substrate, if properly maintained and provided the surface is not exposed to a highly abrasive atmosphere, for up to 3 to 5 years. It is highly recommended that the substrate be inspected on a annual basis to determine environmental wear on the surface.

SURFACE PREPARATION

Prior to the application of TruNano™ VCT Armor, all surfaces and substrates must be clean, dry, and in sound condition. It is extremely important that all oil, dust, grease, dirt, loose rust, and other foreign material be removed. TruNano™ VCT Armor will not adhere to silicons.

New VCT Flooring

New installations of VC tile must have 3 to 4 coats of acrylic emulsion wax applied and burnished prior to applying Tru-Nano VCT Armor.

Existing VCT Flooring

Existing installations of VCT tile should be examined for trapped dirt, scuffs, and other contaminates. If the the floor is determined to be free of contaminates, proceed with auto scrubbing and burnishing. If contamination is present, stripping and reapplying 3 to 4 coats of acrylic emulsion wax followed by burnishing will be needed.

APPLICATION INSTRUCTIONS

Test Area

Always test TruNano™ VCT Armor in an inconspicuous location to ensure adhesion and determine that the desired look is achieved.

Application

Once surface has been properly prepared, mask off any adjacent surfaces to keep them free of drips or accidental coating. Mop all surfaces to remove any small pieces of dust or contaminants. The application area must be free of dust and other contaminates that may settle into the finish during application and become part of the surface.

Open TruNano™ VCT Armor. Manually stir contents thoroughly to suspend the nano particles that have settled to the bottom. Make certain to re-stir every 15-20 minutes to ensure proper performance. Do not use a power mixer when mixing. All mixing should be done by hand.

TruNano™ VCT Armor is applied using an SP acetone/acid proof pump sprayer.

Application (cont'd)

Pump Sprayer: Using an SP brand acetone/alcohol proof pump sprayer equipped with a red cone tip, hold the tip square to the surface being coated. Hold the tip at a distance of 8" to 10" off the surface and spray the surface in a cross-pattern; left to right, then up and down. Be careful not to apply too

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DATA SHEET

thick or allow the product to puddle. Desired wet film thickness (WFT) is approximately 4.0 mils. Make sure to apply as fast as possible as the coating dries fairly quickly. It is important to keep the air pressure in the pump sprayer as close to 40 pounds as possible. The SP sprayers are equipped with a valve that can be connected to a compressor to allow for constant air pressure. When using this method remember to use an air filter in the line.

To spray small pieces or tight locations use a "Preval" sprayer. This is a small disposable sprayer that can spray any liquid and holds approximately 6 oz., which is also ideal for touch ups. It is available in the paint department of major home improvement stores, or major paint store chains.

DRY TIME

Drying Time (@ 77 F, 50% RH):

Drying time is temperature, humidity and film thickness dependent.

Touch:	1 hour
Through:	5 hours for light traffic
Full Cure:	7 Days







INTERRUPTION OF WORK

Upon drying, treated surfaces may appear similar to untreated surfaces. It is possible areas could remain untreated if work is interrupted. It is advisable to stop application on a corner joint or any other obvious marker so the applicator can begin where the application had previously ceased.

CLEAN-UP

Clean tools and flush equipment with acetone thoroughly before product dries.

CAUTION

-  Always wear OSHA approved 1910.134 and ANSI Z88 2 respiratory protection.
-  Fresh air and exhaust should be provided in the work area. If inhaled, remove affected person to fresh air. Call physician immediately if physical difficulties occur.
-  Wear butyl-rubber gloves and other skin protection to avoid contact. In the event of contact with skin, wash skin thoroughly with soap and water.
-  Chemical safety goggles or splash shields are recommended. Do not wear contacts without eye protection. Immediately flush eyes with water for 15 minutes after contact and get medical attention.
-  If accidentally swallowed, rinse mouth thoroughly.
-  In case of discomfort, obtain immediate medical attention.

CARE & MAINTENANCE

Wash periodically with plain water. Avoid the use of vinegar to clean the finish as, over time, this will break down the coating. Simply clean by washing the surface with a hose or wiping down with a damp rag to remove most dirt and spills on the surface. If necessary, a mild liquid detergent can be used to clean areas prone to grease or stains. If paint or ink is present, use a mild, preferably soy-based and environmentally safe cleanser to remove the mark. Paint can also be removed with acetone without damaging the coating. Although VCT Armor is scratch resistant, it is not scratch-proof. Do not use abrasive cleansers or abrasive scouring pads.

If an area gets damaged or is mechanically abraded, lightly sand the area with 400 grit sandpaper and reapply VCT Armor. If the substrate is damaged at the same time, make the necessary repair first, then re-apply VCT Armor.

For additional information, please call 855.878.6266, or visit our website at www.tru-nano.com