Hi-Tek PolymersVH701 Penetrating Sealer

DESCRIPTION: Hi-Tek Polymers VH 701 Penetrating Sealer is a modified alkyd premium protective sealer that is non- filming sealer for-Cementicious Substrates such as Tile, Glass, Brick and Paver.

USES: May be used as a sealer on surfaces requiring, chemical resistance, and abrasion resistance. Hi-Tek Polymers VH 701 Penetrating Sealer is good for interior applications on commercial, resident and industrial projects.

Benefits

• Mold and mildew will not grow on the surface of the coating
• Inhibits/minimizing chipping, cracking, spalling, efflorescence
• Excellent early water resistance-no blushing or blistering
• Excellent stain and chemical resistance
• Excellent abrasion resistance
• For residential, commercial, and industrial applications.
• Meets requirements for LEED EQ credit 4.2, low emitting material: coating. VOC 94 g/L, 0.78 lb./gal
• Interior and exterior use
• Anti-slip
• Water clean-up for hands and tools used for application
• Easy application,
• Ready to use
• APEO free

Packaging: 32 oz. bottles, 1 gal plastic containers, 5 gal pails, 55 gal drums

APPLICATION: Use brush, spray, or roller. Apply two coats. Drying time for 1st coat is 1-2 hours. Drying time for the 2nd coat is also 1-2 hrs. on cementitious or other porous substrate. Drying time on glass surface is 4 hrs. If stain resistance needed, make sure to cover all voids. Refer to coverage rate for a specific substrate. It might vary depending on the porosity of the substrate. 3-7 mils thick total wet coating should be applied on non-porous substrate. Stir before use. If less than full container of this sealer is going to be used at one time, immediately reseal the container. Always try in inconspicuous area if product is suitable for a specific substrate. Concrete should be at least 28 days old.

Surface Preparation: Proper preparation of the surface is important to insure strong bond between the sealer and the substrate.

1st step: Clean from mold, mildew, debris, and dust. Sleek surface must be roughened up to insure bond.
2nd step: Seal dried surface with protective coating.

SPECIFICATIONS:

8.6 lbs. /gal

Coverage

150-200 sq.ft./gal

Drying Time

Coating is dry to touch in 1-2 hours for 2nd coat at 72F and 50%RH. High humidity and low temperature will extend drying time. 7 days drying is required for the best performance in water resistance, water-based stains and machine (engine) oil.

Application Temperature

Between 50F (10C) and 100F (38C)

Service Temperature

40F to 130F

Shelf Life

1 year from date of manufacture in unopened package
Freeze Thaw Stable

Limitations

Store in a cool, dry place between 40F (4C) and 100F (38C)

Coating Performance

7-Day Ambient Cure on Red Concrete Pavers	
Darkening, ΔL compared to uncoated paver	-3.7
60° Gloss	.6
Water Whitening	
1 hour exposure	No Whitening
4 hour exposure	No Whitening
1cc water spot, evaporated	No Whitening
Adhesion Pull Test 7 Day Ambient Cure on Dry Unetched Concrete	
Pull-Off Strength, psi	631.7
Failure Mode	100% concrete failure
Chemical Resistance on Cementicious Backer Board, 24 Hour Spot Test / 90 Hour Recovery	
Gasoline	No Effect
Engine Oil	Slightly Darkened
Transmission Fluid	Slightly Darkened
Sodium Hydroxide, 1N	Very Slightly Darkened
Isopropanol	No Effect
Ethanol	No Effect
Brake Fluid	No Effect
Antifreeze	No Effect

Bleach	No Effect
Hydrochloric Acid, 1N	Very Slightly Stained
Propylene Glycol	No Effect
Salt Water, 5% Solution	No Effect

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