

TK6™ NANOCoat

The product you've been waiting for: a single-component coating that can almost do it all

The perfect final step in concrete polishing fills pores and adds or reduces gloss without risk of whitening

Adheres to alkalines such as ASR-compromised concrete; **and adheres to acidics** such as incompletely neutralized acid-stained substrates

Seals/protects a multitude of substrates - open and polished concrete, block, brick, pavers, stucco, stamped concrete, micro-toppings, self-leveling cements and many dimensional stones - **exterior and interior**

Very high abrasion-resistance for fine durability

Outstanding stain resistance for multi-site use

Efflorescence resistance for easier cleaning

TK6™ is the new self-cross-linking nano-based waterborne copolymer that may just be the most versatile and important high-performance penetrating finish coating on the market.

It is the most effective final step available for the protection of polished concrete or cement floors. Depending on substrate, it is a primer coat or a finish coat, appropriate for single or multiple coats, to be used alone or with StoneLok™ "E3", "2K2" or MLT Plus.

It performs with equal excellence over alkaline and acidic substrates, solving two major problems of finished concrete floors: ASR and incomplete acid neutralization.

TK6 is UV stable for exterior and interior use, for use over both tight and open surfaces. It is very fast dry for job-site efficiency, water submersible with early water resistance, low odor, and offers excellent blush resistance. It is VOC compliant, and both a color carrier and colorable sealer. When totally cured, TK6 meets the performance characteristics of FDA 4-101.11 for food contact surfaces.

With this product, RJSC again takes the lead in innovative cross-linking chemical technology which its StoneLok™ line of waterborne coatings has made famous.

CHEMICAL RESISTANCE	RESULTS	ASTM METHOD
<i>(12 hour covered spot test)</i>		
10% Hydrochloric Acid	No Effect	D 1308-87
10% Nitric Acid	No effect	D 1308-87
10% Sulfuric Acid	No Effect	D 1308-87
10% Ammonia	No effect	
Saturated Sugar Solution	No Effect	D 1308-87
Saturated Salt Solution	No Effect	D 1308-87
Methanol	No Effect	D 1308-87
Skydrol	slt soft/recovers	D 1308-87
Mineral Spirits	No Effect	D 1308-87
Gasoline	No Effect	D 1308-87
Xylene	No Effect	D 1308-87
Motor Oil [dirty or clean]	No Effect	D 1308-87
Clorox	No Effect	D 1308-87
TSP	No Effect	D 1308-87
Brake fluid	very slt soft/recovers	D 1308-87

PROPERTY	RESULTS	ASTM METHOD
% Solids	25 - 35 typical	D 3960
Weight Per Gallon (in lbs)	8.87	D 1475
VOC	95 g/L	D 3960
Pot Life	NA	NA
Recoat Time	2 - 24 hours	NA
Set to Touch	2 hours	D 1650
Print Free Time	10+ hours	D 1650
Gloss (60° Specular)	48	D 523
Pencil Hardness	5H	D 3363
Direct Impact Resistance		
	G 14-88	>160 in/lbs
Indirect Impact Resistance		
	G 14-88	>160 in/lbs
Abrasion Resistance (CS-17 Disk, 1000 grams, 1000 cycles)	60 mgs loss	D 4060

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Available in Gloss and XTRA Low Gloss, also Anti-Skid, in gallons, 5-gallon pails and drums. Application is with pump-up sprayer plus microfiber pad, or HVLP, roller or squeegee. Two coats are used, first often 30% water-diluted. Burnish with 400-grit diamond-embedded pads on low speed machine for highest gloss/top performance. Coverage from ~250 - ~1000 sq.ft./gal/coat, substrate dependent. Apply at 60°F - 85°F ambient and substrate temperature. Low humidity and good air flow are important.