

HIGH PERFORMANCE WATER-BORNE POLYURETHANE COATING

CounterTek™ 2K Pro 2 is a water-borne 2-component high performance polyurethane coating for the most rigorous commercial, industrial, and architectural installations. CounterTek™ 2K Pro 2 is specifically formulated for Countertop Applications.

<u>PROPERTY</u>	<u>RESULTS</u>	<u>ASTM METHOD</u>
% Solids	64 typical	D 3960
Weight Per Gallon (lbs)	8.87	D 1475
VOC	48 g/L	D 3960
Pot Life	2-4 hours	N/A
Re-Coat Time	6-24 hours	N/A
Set to Touch	2 hours	D 1650
Print Free Time	12 hours	D 1650
Pencil Hardness	5H	D 3363
Direct Impact Resistance	>160 in/lbs	G 14-88
Indirect Impact Resistance	>160 in/lbs	G 14-88
Abrasion Resistance	20 mgs loss	D 4060

(CS-17 Disk, 1000 grams, 1000 cycles)

Chemical Resistance (24 hour covered spot test)

10% Hydrochloric Acid	No Effect	D 1308-87
25% Nitric Acid	Film Destroyed	D 1308-87
10 minute spot test	No Effect	
20 minute spot test	8/Few Blisters	
30 minute spot	8/Medium Blisters	
10% Sulfuric Acid	No Effect	D 1308-87
10% Ammonia	8 F Blisters	
10 minute spot test	No Effect	
20 minute spot test	No Effect	
30 minute spot	slt. softening/recovers	
Saturated Sugar Solution	No Effect	D 1308-87
Saturated Salt Solution	No Effect	D 1308-87
Methanol	No Effect	D 1308-87
Butanol	slt. softening/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	No Effect	D 1308-87
Clorox	No Effect	D 1308-87

CounterTek™ 2K Pro 2 features extraordinary abrasion resistance, 2x that for typical urethanes and 4x greater than typical epoxies. Performance characteristics, including high UV, heat, and chemical resistances make 2K Pro 2 the ideal finish coat(s) for an incredibly wide range of installations including offices, retail stores, hospitals, hotels, schools, senior living residences, and more.

A system of CounterTek™ 2K Pro 2 over CounterTek™ Epoxy Gen 3 or CounterTek™ 6 NanoCoat provides highest durability plus extraordinary protection. Virtually any design objective can be achieved with CounterTek™ Microperse Dyes and CounterTek™ coatings.

CounterTek™ 2K Pro 2 requires precise, skilled application, but results in the most durable finish coat for protecting engineered cements, concrete, tile, dimensional stone, and other architectural building materials.

Available in three finishes:

- Gloss
- Low Gloss
- Extra Low Gloss

*with or without premixed Anti-Skid

Coverage:

~ 400 sq. ft./ Gal / Coat

COUNTERTEK 2K PRO 2

INSTRUCTIONS FOR USE

PREPARATION

Product, substrate and site temperature, when mixing, during application and during cure, must be 65°- 85° F, humidity <60%, with good air circulation (box fans are required) for normal cure. CounterTek 2K Pro 2 should not be applied directly to concrete or masonry, but after a primer such as CounterTek Epoxy Gen 3, or for less color enhancement after CounterTek 6 NanoCoat.

COVERAGE @ 4-5 mils wet film thickness

Gallon Unit: ~400 sq. ft.

48 oz Unit: ~150 sq. ft.

12 Unit: ~40 sq. ft.

One unit of CounterTek 2K Pro 2 consists of two bottles:

- Part A - Resin
- Part B - Catalyst

MIX RATIO*

2.5 Parts A to 1 Part B

*Units are premeasured to contain the correct ratio of Part A and B if mixed in entirety.

APPLICATION

1. Shake Part A to ensure matting agents are dispersed equally.
2. Pour Part A then Part B into clean mixing container.
(if mixing less than full units, premeasure Part A and B separately before mixing)
3. Blade-stir with a drill for 5 minutes at a low speed to minimize air entrainment and internal heat. Work pail walls and bottom well to ensure all material is mixed.
4. Wait 15 Minutes (induction time) to start reaction.
5. After waiting induction time, dilute with 20% water.
6. Blade-stir again for 1-2 minutes at low speed. Pot life is now approximately 45 minutes (at 70 degrees F).
7. Apply with Airless or HVLP Sprayer, or short nap roller in a thin, even continuous coat without pooling
 - at 400 sq.ft./Gallon (4-5 mils wet film thickness) for tighter surfaces and/or over primers
 - at 350 sq.ft./Gallon for more porous substrates

*If applying with a roller, use a V or W pattern to quickly spread and backroll the material lightly and evenly, quickly moving into the next area so overlaps are wet to wet. Cutting in edges must be done simultaneously with adjacent application.
8. Cure Conditions - Water must evaporate from the film to cure completely. Good air circulation is necessary for proper cure. If natural air circulation is not present in the application area, box fans should be used to provide air flow, but should not be pointed directly at the surface.
9. Adhere to post-application precautions as coatings will be more vulnerable until fully cured several days after application.

CLEAN UP

Clean tools with soap and water before allowing product to catalyze. Diluted acetone can be used in spray guns. Close and properly dispose of bottles as job site chemical waste.



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