KAUFMAN

PRODUCT
INFORMATION

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K Pro CRS

Description
K Pro CRS is the highest performance, 100% solids, special blend of chemical and abrasion resistant epoxy resins and hardeners. It is particularly recommended for cold and or damp conditions, since it can cure in temperatures as low as 45°F and under wet conditions. Neat K Pro CRS produces a high gloss, with a low chance of blushing under damp conditions.

Uses
K Pro CRS is recommended for use as a binder for both chemical and abrasion resistant mortars and grouts. When used neat, it produces a high gloss, chemical and abrasion resistant coating for concrete or steel. K Pro CRS is recommended for use as a chemical resistant lining for tanks, sanitary manholes and secondary containment. Use it whenever a durable coating, grout or mortar is desired on floors and walls.

Physical Properties - @ 75°F

Mix Ratio:	#740-Clear	2:1 by volume
	#741 Pigmented	1:1 by volume
Viscosity	#740 Clear	1,400 – 1,700 cps
	#741 Gray	3,000 – 4,000 cps
Pot Life		30-35 min.
Dry to touch		5 hrs.
HDT		110°F
Compressive Strength		14,000 psi
Tensile Strength		7,000 psi
Tensile Elongation		1-5%
Flexural Strength		11,000 psi
Barcol Hardness		80

Colors
#740 Clear
#741 Gray
Special colors on request

VOC
0 grams / Liter

Specifications
ASTM C-881, Type I, II, IV, V, Grade 2, Class C

Chemical Resistance - Immersion

Reagent	Exposure Time	Results
Acetic Acid 5%	1 month	SS
Acetic Acid 10%	1 month	S
Acetic Acid 50%	1 month	failed
Butyl Alcohol	1 month	S
Carbon Tetrachloride	1 month	U
Citric Acid 10%	1 month	U
Cotton Seed Oil	1 month	U
Detergent Solution	1 month	U
Ethyl Alcohol	1 month	U
Ethylene Glycol	1 month	U
Gasoline	1 month	SS
Hydrochloric Acid 10%	1 month	U
Hydrogen Peroxide, 20%	1 month	U
Lard	1 month	U
Jet Fuel JP-4	1 month	U
Lactic Acid 3%	1 month	U
Lactic Acid 10%	1 month	SS
Lactic Acid 50%	1 week	failed
Methyl Ethyl Ketone	1 month	failed
Methanol	1 month	failed*
MIBK	1 month	failed*
Mineral Oil	1 week	U
Nitric Acid 20%	1 month	SS
Phosphoric Acid 85%	1 month	SS
Sea Water	1 month	U
Synthetic Gasohol	1 month	SS
Sodium Hydroxide, 10%	1 month	U
Sulfuric Acid 70%	2 months	SS
1, 1, 1 –Trichloroethane	1 month	U
Toluene	1 month	U
Urine	1 month	Discolors
Water	1 month	U
Xylene	1 month	U

S-softened SS-slightly softened U-unaffected
*Satisfactory to spillage, but not to continuous immersion.

Packaging

Clear	Pigmented
11.36 Liters (3 gal. unit)	7.57 Liters (2 gal. unit)
56.78 Liters (15 gal. unit)	37.85 Liters (10 gal unit)

Coverage Rate
225 ft^2/gal. - 7 mils. thick

Directions
Surface Preparations
Satisfactory performance of K Pro CRS is dependent upon the surface to which it will be applied. Only sound, clean surfaces should be coated. Remove all grease, oil, wax, curing compound, laitance and other foreign matter according to ASTM D-4258. Water blasting followed by shot blasting is the preferred method of preparation. Also satisfactory are sandblasting or shot blasting individually, according to ASTM D4259. Acid etching as per ASTM D-4220 with 10 15% muriatic acid solution can be used as an alternative. Be sure to rinse thoroughly with clean water to remove residue.

Mixing
Stir both components and combine into a clean container. Combining ratio for #741 pigmented is 1:1 by volume; while #740 clear has a 2 parts A to 1 part B by volume mixing ratio. Stir both components thoroughly with a paint mixer, attached to a low speed (500 rpm.) drill.

Up to 4 parts loose volume, SurePoxy Aggregate may be added to produce a mortar. Mix until uniform in consistency with a low speed (400-600 rpm) drill or mixer.

Application
Apply neat with 3/8" - 7/16" nap roller, brush or spray (Graco 1:1 King with 40:1 lowers, Fixed Ratio Hydrocat, system number HC 7888 or equal). Binks model # 18 air atomized spray gun (#68 fluid nozzle, #68 PB air nozzle, #68 fluid needle, #83-5661 two gallon pressure fluid tank). Allow each coat to dry before applying next coat, however, never wait more than 36 hours before recoating. Mortar - Apply neat CRS clear to properly prepared surface as a primer. Apply mortar while primer is tacky.

Non-Slip Surface
Although, K Pro CRS is not a slippery product, it can become so, if foreign matter lays on it. To provide non-slip properties, simply sprinkle an excess, approximately 1/3 lb./ft^2. of SurePoxy Aggregate Mortar on the surface of the first coat while it is still wet. When it is dry, sweep off excess and apply second coat.

Precautions
This product is not meant to be subjected to temperatures above 130°F Avoid driving or parking rubber tire vehicles or using surface for storage until K Pro CRS is thoroughly cured. K Pro CRS forms a vapor barrier after cure. Do not apply to surfaces where vapor condenses and freezes under coating. Apply when substrate temperature is 45°F or above. Do not apply over wet substrate. Concrete should be at least 3 weeks old, depending on climate. Read Safety Data Sheet before using. Please refer to the *General Epoxy Instructions* for complete details on proper application during cold and hot weather.

Technical Information
The following results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.