KAUFMAN

PRODUCT
INFORMATION

KAUFMAN PRODUCTS INC. 3811 CURTIS AVENUE BALTIMORE, MARYLAND 21226-1131 410-354-8600 800-637-6372 www.kaufmanproducts.net

SureKote 100 U

Description
SureKote 100 U is a two-component, aliphatic urethane coating for high-performance flooring.

Uses
SureKote 100 U has non-yellowing, non-chalking properties combined with excellent abrasion, chemical, solvent, and good heat resistance properties. It provides excellent gloss retention and will continue to retain a high gloss through many years of service.

SureKote 100 U is recommended as a high-performance finish coat in the following areas:

- Industrial / Commercial Floors
- Chemical Process Industries
- Water and Waste Treatment
- Pulp and Paper Mills
- Industrial/Commercial Floors
- Automotive Dealerships
- Aircraft Hangars
  Top-Coat for Non-Skid surfacing systems

In some cases, SureKote 100 U is self-priming, but it is generally used as a topcoat over one of our SurePoxy VLM Series epoxies used in our Aggregate Broadcast System.

Advantages
- Resists tire markings
- Ideal for automotive dealerships, aircraft hangars, fire stations, heavy manufacturing, and chemical plants.
- Abrasion resistance
- Good chemical resistance
- Apply by brush, roll or spray

Color
Available in Clear, Light Gray, Medium Gray or Beige in satin or full gloss. Special colors are available upon request.

Packaging
One and five gallon kits, premeasured for easy blending at jobsite.

Physical Properties

Taber Abrasion: (ASTM D-4060)	19mg loss; 1000 cycles CS-17, 1000gms.
Pencil Hardness: (ASTM D-2134)	2H
Flexibility: (ASTM D-5222)	Pass 1/8” mandrel bend
V.O.C.:	< 340 g/L
Reverse and Direct Impact: (ASTM D-2794)	160 in. lbs.

Technical

Volume Solids:	65%
Dry Film Thickness, Minimum:	4.0 mils per coat
Maximum:	6.0 mils per coat
Coverage @ 4 mils DFT:	Approximately 250 sq. ft. /gal. (may vary slightly with color)
Dry Time: (70ºF, 50% R.H.):	To Touch – 2-4 hrs. To Recoat – 4 hrs. Minimum Mar Free – 12 hrs. Light Traffic – 24 hrs. Max. Hardness – 7 days
Pot Life @ 70ºF, 50% R.H.:	2 hrs.
Min. Application Temp.:	25ºF or within 10ºF of dew point
Service Temp. Range:	-40º F to +250º F Dry
Method of Application:	Brush or Roller
Shelf Life:	Part A (polyol): 2 years, if unopened Part B (hardener): 1 year, if unopened
Mix Ratio:	2 parts A to 1 part B by volume

***NOTE:** Although this coating composition is not a fire-retardant product, it will not support combustion and will self-extinguish when the source of fire is removed.*

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Surface Preparation
Application as a coating - All surfaces must be sound, clean, dry, and free of all contaminants that could impair product adhesion or performance. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion. All cracks, spalls, voids, pitting, and surface imperfections must be repaired prior to coating installation.

On Steel:
All welds must be ground smooth. Remove weld spatter. Round sharp edges to a minimum 1/8 in. (3.2mm) radius. Pre-stripe all welds, edges, and protrusions.

For Touch-Up and Small Areas:
Prepare steel per SSPC-SP 11 Power Tool Cleaning to Bare Metal.

For Immersion Service:
Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP 1. Prepare steel per SSPC-SP5 / NACE 1 White Metal Blast Cleaning. Blast clean all surfaces using a sharp, angular abrasive to achieve a 2–3 mil surface profile. Prime or coat prepared steel immediately before flash rusting can occur.

For Non-Immersion Service:
Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP 1. For best results, prepare steel per SSPC-SP6 / NACE 3 Commercial Blast Cleaning with a 2–3 mil surface profile. Blast-clean all surfaces using a sharp, angular abrasive to achieve a 2–3 mil surface profile. Prime or coat prepared steel before flash rusting can occur.

On Concrete:
Apply minimum 2 coats onto a sound, solid substrate. Concrete should be a minimum of 28 days at 73°F (23°C) or substantially cured to the equivalent design strength prior to coating application. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter from surface by abrasive blasting or other mechanical means per SSPC-SP13 / NACE 6 or ICRI Guideline 310.2R CSP2-4.

Topcoat over Non-skid Broadcast Systems:
Remove all loose and unbonded broadcast media prior to application of topcoat.

Mixing
Mix Part A for 2 to 3 minutes to assure full dispersion of pigment. Pour Component B (hardener) into Component A (resin). Stir at low speed to prevent air entrapment for 2 to 5 minutes (base mixing time on temperature and viscosity), using an “in-the-bucket” mixer, or jiffy mixer. Thorough mixing is required.

IMPORTANT: *Do not scrape or drain mixing containers.*

Application
Steel and Concrete surfaces must be dry and clean and surfaces a minimum of 55°F. Apply by brush, roller, squeegee or spray onto the areas to be coated at the specified mil thicknesses. Check wet film thicknesses frequently to ensure compliance with specifications. Minimum of 2 coats required.

Top-coat for non-skid systems – Apply by roller to the area to completely cover the broadcast media,(approximately 150 to 200 square feet per gallon). Applicators should wear spiked shoes and immediately back roll using a “lint-free” 3/8” nap roller cover. Finish the application by “laying off” in one direction. Check wet film thickness frequently.

An applicator wearing spiked shoes should then immediately back roll and cross roll the material with a quality “lint-free” 3/8” nap roller cover.

Finish application by “laying off” in one direction. Check film thickness frequently. In smaller areas, a “dip and roll” method of application is acceptable.

Precautions
WARNING: FLAMMABLE
Contains Aliphatic Polyisocyanate Prepolymer Hexamethylene Diisocyanate. Use only with adequate ventilation.

Individuals with chronic respiratory problems or prior respiratory reactions to isocyanates must not be exposed to vapors or spray mist containing isocyanates.

If affected by inhalation, vapor, or spray mist, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician, and have label information available.

Read Complete Safety Data Sheet prior to use.

Technical Information
Test 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.

For professional use only. Not for sale to or use by the general public.

LIMITED WARRANTY We warrant our products to be of good quality and will replace material proved detective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc. shall have no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salespeople, distributors and their salespeople have no authority to change the printed recommendations concerning the use of our products.