



VERSASHIELD™

2K WATERBORNE POLYURETHANE

K09700000 (Part A)
K09701000 (Part B)

VersaShield™ is a unique, water-based, aliphatic urethane that offers outstanding performance characteristics on its own, or as a topcoat over another coating:

- ✓ Gloss finish
- ✓ Suitable for incidental, indirect food contact
- ✓ UV stable
- ✓ Water-based
- ✓ Excellent chemical resistance
- ✓ Resists common acids, fuels, grease and salt.

INDUSTRIAL USE ONLY!

AS OF 01/01/2017 COMPLIES WITH:

- | | |
|--|---|
| <input checked="" type="checkbox"/> OTC | <input checked="" type="checkbox"/> CARB |
| <input checked="" type="checkbox"/> EC | <input checked="" type="checkbox"/> LADCO |
| <input checked="" type="checkbox"/> SCAQMD | <input checked="" type="checkbox"/> UTAH |

krylonindustrial.com

1-800-247-3266

Revised September 2017

RECOMMENDED USES

Use to seal concrete, VCT, ceramic, wood, ferrous and nonferrous metal, previously painted surfaces or other floor systems where a gloss finish is desired. Typical coating applications include, but not limited to: hangars, light manufacturing, garages, arenas, airports, education and health care sectors, hospitality industry, and auto service areas.

PERFORMANCE TIPS

- Do NOT allow to freeze.
- Substrate must be structurally sound, dry and free of bond inhibiting contaminants
- During installation and initial cure cycle, substrate and ambient air temperature must be at a minimum of 50°F (10°C). Substrate temperature must be at least 5°F (3°C) above the dew point.
- Maximum dry surface temperature not to exceed 160°F (71°C).
- Thick or puddled material can result in CO2 entrapment.
- This coating, though resistant, is not a guarantee against tire staining. Vehicular tires from cars and trucks to tractors and boat trailers are varied and have the potential to leave a stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.
- Do not install if raining or when rain is imminent, or a reduction in gloss and working time can be experienced.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and clean-up. For more information, call the National Lead Information Center at 1-800-424-LEAD (in U.S.) or contact your local health authority. Surface must be clean, dry and in sound condition. Remove all oil, dust, grease, dirt, loose rust and other foreign materials to ensure adequate adhesion. **Do not use hydrocarbon solvents for cleaning.**

Concrete & Masonry: New: Refer to SSPC-SPI3/NACE 6, or ICRI No. 310.2, CSPI-3. Surface must be clean, dry, sound and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by sandblasting, shotblasting, mechanical scarification or suitable chemical means. Refer to ASTM D4260. Rinse thoroughly to achieve a final pH between 6.0-10.0. Allow to dry thoroughly prior to coating. Old: Refer to SSPC-SPI3/NACE 6, or ICRI No. 310.2, CSP 1-3. Surface preparation is mostly the same as for new concrete; however, if the concrete is contaminated with oils, grease, chemicals, etc., they must be removed by cleaning with a strong detergent. Refer to ASTM D4258. Form release agents, hardeners, etc. must be removed by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. Fill all cracks and bug holes.

Follow The Standard Methods Listed Below When Applicable: ASTM D4258 Standard Practice for Cleaning Concrete ASTM D4259 Standard Practice for Abrading Concrete ASTM D4260 Standard Practice for Etching Concrete ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete SSPC-SPI3/NACE 6 Surface Preparation of Concrete ICRI No. 310.2 Selecting and Specifying Concrete.

APPLICATION INSTRUCTIONS

- Premix Part A using a low speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the materials.
- Add 3 parts of Part A to 1 part of Part B. Mix with low speed drill and Jiffy blade for three minutes until uniform.
- Apply the mixture using a 1/4" nap roller at a spread rate of 250-400 square feet per gallon (4-6 mils WFT) evenly with no puddles, making sure of uniform coverage. NOTE: This product can be reduced up to 20% with potable water to assist flow when required, due to temperature or other environmental conditions.
- Allow 24 hours minimum before opening to wheeled traffic and water exposure. NOTE: This product tacks quickly. You must maintain a wet edge to avoid the potential for roller lines. If you see roller lines during application, cross roll to eliminate. This product cures to a very hard, glass-like film. Recoating after cure is difficult. If a second coat is required or planned, apply the second coat 2-4 hours after installation of the first coat. On a floor, this will require spiked shoes. The film will still be tacky and care will need to be taken to roll out any cleat marks. If the first coat has cured overnight, it will require sanding and possibly a primer. Contact Technical Service with questions.
- For best results as a floor coating application should be done by a professional flooring installer.

PHYSICAL TEST DATA

Adhesion	
ASTM D7234	417 PSI
ASTM D3359	0% - 5% loss, surface dependent
Pencil Hardness	
ASTM D3363	3H
Slip Resistance	
	For anti-slip properties, stir in H&C Shark Grip at 3.2 oz./gal. after mixing Part A with Part B.
Chemical Resistance	
ASTM D1308	
Brake Fluid	Slight darkening
Unleaded Fuel	Very slight darkening
Transmission Fluid	No Effect
Motor Oil	No Effect
Anti-Freeze	No Effect

TECHNICAL DATA

Vehicle	2k WB Aliphatic Polyacrylate Urethane
Finish	Clear Gloss
Mix Ratio	3:1 for three minutes; Can be reduced up to 20% with potable water
Flash Point	>212°F (>100°C), ASTM D 93, mixed
Volume Solids	55% ± 2%, mixed
Weight Solids	62% ± 2%, mixed
(10% potable water):	56%
(25% potable water):	46%
VOCs	Part A 30 g/L - 0.25 lb/gal Part B <50 g/L - 0.42 lb/gal
Viscosity mixed	600-2,000 cps
Result	200°F (discolors)
Rec. Film Thickness	4-6 mils wet
Spread Rate	250-400 ft ² /gal
Tinting	Do not tint
Shelf Life	Part A: 12 months, unopened Part B: 6 months, unopened Store indoors at 50°F (10°C) to 90°F (32°C)

APPLICATION

Temperature	(air, surface and material) 50°F min, 160°F max, at least 5°F above dew point
Airless Spray	Unit: 2,000 - 2,400 psi Tip: 0.015 - 0.017 Hose: 1/4" or 3/8" Note: Do not use over 50 ft. hos
Airless Assist Spray	Unit: 500 - 600 psi Tip: 0.015 - 0.017 Tip Pressure: As needed for proper atomization
Conventional Spray	DeVilbiss pressure pot with ± GA 503 gun and FF
Brush	Nylon polyester blend
Roller	¼" woven nap, phenolic core.
Drying Time	@ 6 mils wet, @ 72°F (22°C)
To Touch	4-6 hours
To Recoat	2-4 hours after initial application; refer to Application Instructions
Light Traffic	24 hours minimum
Wheeled Traffic	48 hours minimum
<i>Minimize air movement to maintain a wet edge. Drying time is temperature, humidity, and film thickness dependent.</i>	
Pot Life	1.5 hours @72°F (22°C)
Clean Up	Clean up mixing and application equipment immediately after use with soap and water



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The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Krylon Industrial. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Krylon Industrial dealer or representative to obtain the most recent Product Data Sheet.

MAINTENANCE

- Frequent dust and wet mopping is necessary to remove all dirt and debris. Dirt and debris will cause friction between the coating and shoes, resulting in scratches in the coating.
- Set up "Wet Floors" signage to help prevent slip and falls.
- When using a wet mop, mix the appropriate amount of neutral cleaner to water in the mop bucket. Follow the neutral cleaner manufacturer's recommendations for the proper mix ratio. NOTE: Imbalanced ratios can result in a thin layer of cleaner residue on the floor, which can cause the floor to look hazy and possibly become more slippery when wet.
- Make sure to wring out as much water as possible to prevent saturating the floor
- Allow to fully dry before moving "Wet Floor" signs. Automatic Scrubbing Procedures:
 - Dust mop the floor to remove all dirt and debris.
 - Set up "Wet Floors" signage to help prevent slip and falls.
 - Automatic scrubbers are recommended for deep cleaning the floors. The more frequently this is done, the better the floor will look and longer the coating will last.
 - When using an auto-scrubber, use the following pad:
 - Daily = white pad
 - Weekly / Monthly = red pad
 - Pour the appropriate amount of neutral cleaner to water in the automatic scrubber. Follow the neutral cleaner manufacturer's recommendations for proper mix ration. Make sure that the cleaner is approved to be used in an automatic scrubber. NOTE: Imbalanced ratios can result in a thin layer of cleaner residue on the floor, which can cause the floor to look hazy and possibly become more slippery when wet.
- Allow to fully dry before moving "Wet Floor" signs.

CAUTIONS

Thoroughly review product label and SDS for safety and cautions prior to using this product. Please direct any questions or comments to your local Krylon Industrial Representative.

Note: The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, Krylon Products Group cannot make any warranties as to the end result. Please direct any questions or comments to 1-800-247-3266.



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