

VFI®-544 QWIK SPRAY BEDLINER

VFI-544 Qwik Spray Bedliner is a fast setting, 100% solids, polyurea hybrid bedliner that works in conjunction with the Qwik Spray System. It provides truck beds with a durable and watertight layer of protection. As a cartridge system, it allows new applicators the ability to spray while still providing the same long-lasting quality and high properties as a high-pressure spray. VFI-544 has been through long-term, real-life testing to prove it is durable under environmental strain. While strong, the coating also maintains flexibility, protecting the surface from wear to lengthen its life.

- Formulated for maximum impact and abrasion resistance
- Superior slip and skid resistant from cargo movement
- Delivers watertight seal for superior rust and corrosion protection
- Extended protection from wear while still maintaining flexibility
- Eliminates vibration noise and offers sound dampening capabilities

PHYSICAL PROPERTIES	TEST RESULTS
Hardness Shore D	40 D
Tensile Strength	2,182 psi
Elongation	110%
Tear Strength	187 pli
Solid Material Density	65.78 pcf
Yield Strength	551 psi
Water Swelling	0.50%
Water Vapor Permeability	0.53 perm
Permanent Set	10%
Cold Temperature Flexibility	Pass

LIQUID PROPERTIES	TEST RESULTS
Solids by Volume	100%
Liquid Density A Side	9.32 lbs/gal
Liquid Density B Side	8.22 lbs/gal
Mixed Liquid Density	8.75 lbs/gal
Ratio by Volume (A:B)	1A:1B
Viscosity A Side	800 cps
Viscosity B Side	1,000 cps
Gel Time	4 seconds
Tack Free	28 seconds
Recoat Time	4 hours
Place into Service	light 4 hours full 24 hours
Full Cure	5 days
VOC	0

MANUFACTURER OF HIGH PERFORMANCE POLYMERS

Toll-Free 800-307-9218 | volatilefree.com | info@volatilefree.com

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EQUIPMENT

The Qwik Spray System does not need special training to operate. VFI-544 requires a plural component Qwik Spray Applicator Gun with dual 300 mL cylinders. To operate the gun, you will need an air compressor that can provide dry air and a minimum of 10 CFM at 100 PSI of constant pressure.

SURFACE PREPARATION

All surfaces must be free of any oils, dirt, or films that may affect adhesion. When spraying a truck bed, remove all hardware you don't want to be sprayed. The tailgate can also be removed and sprayed separately. Clean all surfaces with acetone or MEK and allow the cleaning agents to dry. Use wire tape for clean-cut lines and to define the edges of the bed liner. Place the wire on the inside and the tape on the outside of the cut line. Use masking tape and plastic sheets to cover all other areas that need protection from overspray.

Scuff all areas you are spraying with a wire cup brush sander or 40-grit sandpaper. Avoid sanding to bare metal, as this can affect the adhesion of the bed liner, causing it to peel over time. Use acetone or MEK again to clean surfaces and allow them to dry before spraying.

While primers aren't necessary on properly prepared metal surfaces, they can increase adhesion on other surfaces. VFI recommends using VFI-#11, VFI-1016, or VFI-1017.

MIXING

The material should be brought to a minimum of 75°F before use. Mixing is not required unless the material is visibly separated, and if so, the cartridge should be shaken until uniform.

APPLICATION GUIDELINES

The temperature should be between 40°F - 100°F during use. The cure speed will increase if the temperature passes 72°F. Connect the Qwik Spray applicator to a dry air source. Keep the cartridge vertical with the label facing up when loading it into the gun. Once you start spraying, you cannot stop, so plan your spray pattern for even distribution. Spray onto a disposable surface to ensure the material is adequately mixed. Start with the vertical side and back panels and work down toward the end of the truck bed. VFI recommends spraying 80 mils for the best results. Once the cartridge is almost used, spray onto a disposable surface to keep off-ratio material from getting onto the truck bed. It will take approximately 4-6 cartridges to completely cover the truck bed.

To apply texture, spray over but not directly onto the surface until the desired finish is achieved. Allow the material to set for at least 20 minutes before removing the tape and plastic. To remove the wire tape, pull at a 45-degree angle toward the sprayed surface. Once cured, it is ready for light use in as little as 4 hours and full use in 24 hours. Allow 5 days for full cure.

CLEANUP

Disconnect the disposable cartridges from the air-atomizing gun tip, remove them from the applicator frame, and throw them away. If there is residue on the gun or other equipment, use xylene or MEK before it sets. Never soak the gun in any cleaning solvent.

STORAGE/SHELF LIFE

Store between 60-90°F in a clean, dry building. The shelf life of the cartridges is 6 months after the date of manufacture.

PRECAUTIONS

VFI-544 contains isocyanate, which can irritate the skin and is toxic if inhaled as particulate matter. Do not thin or add foreign material to this product. Avoid prolonged breathing of vapors and repeated skin contact. Use in a chemically approved spray booth with all necessary PPE, including a supplied air respirator or respirator with forced air ventilation. See the Safety Data Sheet for all safety information.

19500 JANACEK COURT | BROOKFIELD, WI 53045 | 262-787-0400 | TOLL-FREE 800-307-9218 | FAX 262-787-0500 | INFO@VOLATILEFREE.COM

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