

PRODUCT DATA SHEET

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PRODUCT DESCRIPTION

Phoenix **GUARDIAN** is a fast set, rapid curing, 100% solids, flexible, two-component performance-modified elastomer spray coating material. **GUARDIAN** is used by itself to produce liners on metal and other composite bed substrates. Its extremely fast gel time makes it suitable for applications down to 40°F without special conditioning of the component resins and isocyanates. **GUARDIAN** produces an extremely tough film at all thicknesses. Single or multiple pass applications produce films from 10 mils to 250 mils without appreciable sag or runs. **GUARDIAN** may be applied in all positions and to any suitably prepared substrate. **GUARDIAN** is inert, it will not hydrolyze, leach, or contaminate other materials, and is bondable and paintable.

USES

Phoenix **GUARDIAN** is a high performance system for bed liners. **GUARDIAN** is flexible, accommodating movement of the substrate, yet strong enough to remain intact under all conditions except major structural dislocations. **GUARDIAN** may be used in transitional areas with confidence. **GUARDIAN** may be used in interior or exterior applications. Being aromatic based, some slight color fade may occur in outdoor applications. **GUARDIAN** is also recommended for repair of other bedliner systems (with proper preparation), and may be applied to metal and other composite bed substrates.

Ideal for Applications in:

- Vehicle Bed Liners
- Cargo Vehicles
- Emergency & Utility Vehicle Lining
- All-terrain Vehicles
- Fleet Vehicles / Work Vans
- Construction Vehicles / Equipment
- Recreation Vehicles
- Industrial Furniture / Equipment
- Farm Equipment
- Floors and many other surfaces with the proper preparation

Advantages:

- 100% Solids, No VOCs
- Flexible with High Tear Strength
- Excellent Thermal Stability
- High Resistance to Wide Range of General Chemical Exposure, pH range of 4 to 14
- Coats Most Metals without Primer
- Fast Set for Nice Surface Texture / Stipple
- Seamless Elastomer
- Prevents Rust / Damage to Substrate
- Remains Flexible in Cold Temperatures
- Return to Service in 45 Minutes
- Cures from 40°F to 200°F
- Odorless, No Toxic Vapors

PHYSICAL PROPERTIES

GUARDIAN™

Average Values

Low Pressure Applied
Competitive System 1

Low Pressure Applied
Competitive System 2

Tear Test (lb/in) ASTM D 624	410	233	123
Tensile Elongation (%) ASTM D 638	51	33	184
Tensile Strength (psi) ASTM D 638	2196	1756	370
Shore Hardness (D Scale)	61	50	20

LIMITATIONS

GUARDIAN should not be used for direct contact with extremely high or low pH attack. Consult **Phoenix**.

COVERAGE RATES

Theoretical Square Feet Per Gallon

Mils	10	15	50	60	80	100	125
Sq Ft	160	107	32	27	20	16	13

Note: 1604 mil inches per gallon. Totally dependent on substrate texture and condition.

PACKAGING

1500mL Dual Cartridges: **GUARDIAN** comes pre-packaged as a dual cartridge system, 750mL "A-side" and 750mL "B-side". Cartridges filled at manufacturer; volume is closely approximated.

MIXING

GUARDIAN must be spray applied using approved equipment. Use 1:1 ratio pump, with appropriate application gun/wands, as required for individual application.

COLORS

Standard color is black. Other colors are available; consult with **Phoenix** for specific application required.

SHELF LIFE

One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 60°F to 95°F (18° - 35°C).

CLEAN UP

Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

SAFETY

Review SDS at www.PhoenixLiners.com. Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvek overalls
- Splash shield or safety glasses with splash guards
- Rubber gloves
- Respirator / Supplied Air System / Headsock
- Do not take internally; wear rubber or leather boots
- Do not use near high heat or open flame
- Keep out of reach of children

PREPARATION AND INSTALLATION

Please review the Material Processing & Handling Information for preparation and application procedures. Substrate priming is not required on all metals, consult **Phoenix** for recommendations.

Technical Services, Sales, and Customer Support: 888-492-3339

WARRANTY

Phoenix, LLC will repair or replace product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.