

# BPI Cartridge

## DESCRIPTION

BPI Cartridge is a fast set, rapid curing, 100% solids, flexible, two-component performance-modified elastomer spray coating material. BPI Cartridge 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. BPI Cartridge 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. BPI Cartridge may be applied in all positions and to any suitably prepared substrate. BPI Cartridge is inert, it will not hydrolyze, leach, or contaminate other materials, and is bondable and paintable.

## USES

BPI Cartridge is a high-performance system for bed liners. BPI Cartridge is flexible, accommodating movement of the substrate, yet strong enough to remain intact under all conditions except major structural dislocations. BPI Cartridge may be used in transitional areas with confidence. BPI Cartridge may be used in interior or exterior applications. Being aromatic based, some slight color fade may occur in outdoor applications. BPI Cartridge 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

	BPI Cartridge	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

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## LIMITATIONS

BPI Cartridge should not be used for direct contact with extremely high or low pH attack. Consult BPI.

## 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:** BPI Cartridge comes pre-packaged as a dual cartridge system, 750mL “A-side” and 750mL “B-side”. Cartridges filled at manufacturer; volume is closely approximated.

## MIXING

BPI Cartridge 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 **BPI** 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

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

## PREPERATION AND INSTALLATION

Please review the Material Processing & Handling Information for preparation and application procedures.

Substrate priming is not required on all metals, consult BPI for recommendations.

Technical Services, Sales, and Customer Support: 678-800-7003

## WARRANTY

BPI 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.