

RhinoPak™ SM Clear, Part # 10399  
 RhinoPak™ SM Black, Part # 10396

**DESCRIPTION:** RhinoPak™ SM is a two-component, 100% solids (no solvents), zero VOCs, rapid curing, aliphatic, polyurea hybrid elastomer. This product combines the durability of a tough elastomer with the color and gloss stability of a urethane top coat into one product. The light-stable protective lining system is packaged in a dual 750 ml cartridge for use with the lightweight, portable RhinoPro™ Cartridge Gun. The disposable, quick-load cartridges are great for small jobs, hard to reach places and repairs.

**TYPICAL USES:**

- Paint replacement
- Color stable applications
- Excellent protective lining for applications requiring color stability and durability such as:
  - Floor and wall protection in industries such as food processing, food storage, veterinary, production area and laboratories
  - Marine applications such as boat decks
  - Walkways, stairwells and decks
- Spray-on application creates a monolithic, seamless lining which conforms to any shape and size.
- Casting of small parts, void filling
- Elastomeric properties allow for application to surfaces subject to: vibration, expansion, contraction, movement, flexing, abrasion, and impact.

**FEATURES & BENEFITS:**

- Lining thickness varies based on application, ranging from 40 mils (1mm) to 100 mils (2.5mm).  
 Truck bed floor minimum: 80 mils (2mm).
- High tensile strength and tear strength properties
- Bonds to virtually all substrates of any dimension, including metals, woods, concrete and fiberglass, with proper surface preparation
- Good chemical resistance
- Superior color retention
- Excellent corrosion resistance
- Good impact resistance
- Very good abrasion and impact resistance
- Stable from -40°F (-40°C) to 175°F (80°C)

**CHEMICAL PROPERTIES:**

	Result
Solids by Volume/Weight	100% (iso) : 100% (resin)
Volatile Organic Compounds	0 lbs/gal (0 g/l)
Mix Ratio, parts per volume	1 (iso) : 1 (resin)
Gel Time @ 80°F (26°C)	15 ±5 seconds
Tack Free @ 80°F (26°C)	1 – 5 minutes base on ambient temperature
Cure @ 70°F (21°C)	24 hours
Theoretical Coverage (1500 ml RhinoPak)	8 sqft @ 62 mils (1/16" or 1.5 mm)
Shelf Life - Unopened cartridge	6 months

**TYPICAL PHYSICAL PROPERTIES\*:**

	Test	Result
Hardness (Shore A)	ASTM D-2240	90±5
Tensile Strength (psi)	ASTM D-412	2000 – 2200
Tear Resistance (pli)** Die C	ASTM D-624	250 – 300
Elongation (%)	ASTM D-412	100 – 150

\*Properties were checked on RhinoPak SM polyurethane lining, 80 mils, (2 mm) thick stock.

**PROCESSING CHARACTERISTICS:**

**Preparation:** The RhinoPak™ must be shaken in the RhinoPro™ Cartridge Shaker for 4 to 5 minutes prior to spraying. This procedure insures proper distribution of pigment and other components. RhinoPak™ SM cartridge's chemical temperature must be between 70°F and 90°F when sprayed.

**Cure Time:** RhinoPak™ SM will set in 5 – 10 minutes at 70°F depending on substrate temperature and thickness.

**Surface Prep:** Before applying RhinoPak™ SM, the surface should be prepared properly following recommended Rhino Linings® procedures. The substrate should be clean, dry and free of oil, dirt or other contaminant's. It is ideal to

**RHINOPAK™ SM (continued):**

roughen the surface to create a profile to bond to. Depending on the application, the use of the appropriate Rhino Linings® primer may be required for best results.

**Application:** Please refer to the RhinoPro™ Cartridge Gun manual for complete instructions on using these cartridges.

**CHEMICAL RESISTANCE:** Good resistance to many commercial and industrial chemicals such as acids, alkalies, oils and cleaning chemicals. For specific applications and information, please consult with a Rhino Linings® representative.

**SUBSTRATES:** The RhinoPak™ SM can be applied to metals, wood, concrete, fiberglass, geotextiles and other Rhino Linings® products as a patch material.

**COLOR OPTIONS:** Standard color - clear, black. Custom colors may be available by special order. RhinoPak SM is not recommended for white applications.

**HOW SUPPLIED:** RhinoPak SM is supplied in dual 750 ml cartridge.

**STORAGE:** Cartridges should be stored at 60 – 90°F in a dry condition in their original packaging. If RhinoPak™ cartridge has been stored longer than 1 week, shake cartridge to insure proper distribution of chemicals and pigment.

**SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS)**

This chemical system requires the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines.

**For Your Protection:** The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

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