

RhinoPak 60D Clear, Part # 10331-CS

RhinoPak 60D Black, Part # 10332-CS

DESCRIPTION: RhinoPak™ 60D is a two-component, 100% solids (no solvents), zero VOCs, rapid curing, elastomeric lining. RhinoPak™ 60D has a hardness rating similar to the DuraSpray® product. The 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. Lining thickness varies based on application, typically minimum of 1/16" (62.5 mils; 1.6mm) up to unlimited thickness.

TYPICAL USES:

- Excellent general purpose industrial lining for applications such as:
 - Material delivery systems where a seamless flexible system is essential
 - Floor and wall protection in industries such as food processing, food storage, veterinary, production area and laboratories
- Spray-on application creates a monolithic, seamless lining that 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.
- Bonds to virtually all substrates of any dimension, including metals, woods, concrete and fiberglass
- Can withstand vehicle forklift traffic and heavy loads with proper thickness build
- Reduces noise from vibration and impact
- Stable from -40° F to 175° F (-40° to 79.4° C)

FEATURES & BENEFITS:

- Robust application window with ability to spray at low temperatures and high humidity
- High tensile strength and tear strength properties
- Very good abrasion and impact resistance
- Good chemical resistance
- Excellent corrosion resistance
- Good noise reduction

CHEMICAL PROPERTIES:	Standard Test	Isocyanate (A)	Resin (B)
Specific Gravity (grams/cc)	ASTM D-792	1.12 ± 1	1.03 ± .02
Viscosity, CPS at 77°F (25°C)		200 ± 50	800 ± 100
Solids by Volume/Weight		100%	100%
Volatile Organic Compounds		0 lbs/gal	0 lbs/gal
Mix Ratio, Parts per Volume		1	1
Gel Time, Seconds at 77°F (25°C)		15 ± 3	
Tack-free, Seconds		35 ± 3	
Theoretical Coverage		8 sqft/1500ml cartridge at 1/16" (62 mil) thick	
Shelf Life - Unopened Containers		12 months	12 months
Base Color		light amber	opaque

TYPICAL PHYSICAL PROPERTIES:	Test	Result
Hardness (Shore D)	ASTM D-2240	60±5
Tensile Strength (psi)*	ASTM D-412	2900 ± 200
Elongation (%)*	ASTM D-412	50 ± 10
Compressive Strength (psi)		>800
Tear Resistance (pli) Die C*	ASTM D-624	500 ± 50
Water Absorption (%) - 24 hours	ASTM D-570	≤1.5
Dielectric Strength (volts/mil)	ASTM D-149	300
Volume Resistancy (ohm/inches)	ASTM D-257	6 X 10 (12)
Dielectric Constant (MHz)	ASTM D-150	5.4
Dissipation Factor (MHz)	ASTM D-150	0.058
Cathodic Disbonding	ASTM G-8	Pass

*Properties were checked of polyurethane lining, 1/8" (125 mils), (3.18 mm) thick stock.

RHINOPAK™ 60D (continued)

PROCESSING CHARACTERISTICS:

Equipment Used	Process Temperature
Dual Cartridge with static mix tube, air atomization and dry air	80° – 100°F (27° – 38°C) on cartridge

DRY FILM THICKNESS: Varies based on application, typically a minimum of 1/16" (62.5 mil; 1.6mm) up to unlimited thickness

SURFACE PREPARATION: Before applying RhinoPak™ 60D, 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 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 INSTRUCTIONS: Please refer to the RhinoPro™ Cartridge Gun manual for complete instructions on using these cartridges. 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™ 90A cartridge's chemical temperature must be between 80°F and 100°F (27° – 38°C) when sprayed.

NOT RECOMMENDED FOR:

- Sustained temperatures below -40° F (-40° C) or above 175° F (79.4° C)
- Application to high density polyethylene or thermo plastics

CHEMICAL RESISTANCE: Duraspray provides good resistance to many commercial and industrial chemicals such as acids, alkalis, oils and cleaning chemicals. For specific applications and information, please consult a Rhino Linings® representative.

SUBSTRATES: Metals, wood, concrete, fiberglass and geotextile

COLOR OPTIONS: Standard color - black. Custom colors are also available by special order.

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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