



Part A – SolarMax 11-60 Iso – Part # 60300

Part B – SolarMax 11-60 Resin – Part # 60320

DESCRIPTION:

Rhino SolarMax™ is a two-component, 100% solids (no VOCs, no solvents), exothermic, rapid curing, elastomeric polyurethane lining system. Rhino SolarMax is based on aliphatic chemistry which has excellent color and gloss stability. This product combines the durability of a tough elastomer with the color and gloss stability of a urethane topcoat into one product.

FEATURES AND BENEFITS:

- Lining thickness varies based on application, ranging from 40 mils (1 mm) to 100 mils (2.5 mm).
Truck bed floor minimum: 80 mils (2 mm).
- High tensile strength and tear strength properties.
- Very good abrasion and impact resistance.
- Good chemical resistance.

APPLICATIONS:

- 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.
- 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.
- Reduces noise from vibration and impact.
- Stable from -40° F (-40° C) to 175° F (79.4° C).

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.

TYPICAL PHYSICAL PROPERTIES OF SOLARMAX™

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

*Properties were checked of SolarMax polyurethane lining, 80 mils (2mm) thick stock.

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 our chemical resistance chart available on our website or speak to a Rhino Linings® representative.

SUBSTRATES:

Metals, wood, concrete, fiberglass, and geotextiles.

VOLATILE ORGANIC CONTENT:

None. 100% solids. No solvents.

DRY FILM THICKNESS RANGE:

Varies based on application, typically used at 40 mils (1 mm) to 100 mils (2.5 mm).

SHELF LIFE OF SOLARMAX™ 11-60:

Part A - Isocyanate: Twelve months, unopened. Part B - Resin: Six months, unopened.

BASE MATERIAL COLORS:

Isocyanate - clear liquid. Resin - tan.

COLOR OPTIONS:

Selected colors available by special order with the exclusion of special effect pigments such as metallics and pearlescents. Color range includes pastels to deep shade colors based on pigment availability. Please contact Rhino Linings Corporation for a color evaluation.

SAFETY PRECAUTIONS:

Health Considerations: Consult the Rhino Linings® Material Safety Data Sheets.

This chemical system requires the use of proper safety equipment and procedures. Please follow the Rhino Linings® product MSDS 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. Because of numerous factors affecting results, **Rhino Linings Corporation makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Corporation hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Rhino Linings Corporation for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

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