

**DESCRIPTION:** RhinoSpeed FB (Flexible Binder) is a higher viscosity elasticized methacrylate resin for industrial floor coating applications. Fast curing, robust and wear resistant, this resin is formulated to be used for trowel, self-leveling, smooth or broadcast flooring systems.

**TYPICAL USES:** RhinoSpeed FB™ is a methylmethacrylate overlay and coating resin for use within the RhinoSpeed flooring systems. It is a solvent free, 2-component, 100% reactive resin that is ideal for roller applied coatings and decorative flake or quartz flooring systems. RhinoSpeed FB™ can also be mixed with RhinoSpeed SL Filler to create a self-leveling formulation that reduces application time. RhinoSpeed FB™ is a transparent resin that can be pigmented using powder pigment or universal color packs.

**FEATURES & BENEFITS:**

- Full cure in less than 1 hr
- Great Color Stability
- Can be applied at 24°F (-4°C)
- Elasticized formulation
- Clear resin allows for large color choice
- NFS Registered
- Installation Flexibility
- Reduced downtime and rapid return to service
- Can be trowel, roller or self-leveling
- Hard wearing

**CHEMICAL PROPERTIES:**

	<b>Result</b>	<b>Test Method</b>
Solids by Volume/Weight	100%	
Water Absorption, (%/24 hrs)	0.04	ASTM D570
Tensile Strength	1,060 psi	ASTM D638
Tensile Strength (filled)	1,500 psi	ASTM D638
Elongation at Rupture	35%	ASTM D638
Tensile Modulus	4.5 x 10 <sup>5</sup>	ASTM D638
Hardness (Shore D)	75	ASTM D2240
Viscosity	230 - 270 cps	ASTM D2393
Electrical Resistivity	10 <sup>14</sup> vol	ASTM D257
Compressive Strength	8,100 psi (filled)	
Odor	High	
Pot Life	15 - 40 mins (depending on temp and BPO addition)	
Color	Clear - tint packs	
Shelf Life - unopened containers	12 months	

**SURFACE PREPARATION:** The surface to be coated should be thoroughly clean; free of any contaminants such as oil, grease or incompatible coating materials. Abrasive blasting or diamond grinding are common surface preparation methods. RhinoSpeed FB is designed to be installed over one of the RhinoSpeed Primers.

**MIXING INSTRUCTIONS:** The mixing for RhinoSpeed™ FB is provided in the Application Instructions

**APPLICATION METHODS:** Please refer to flooring SYSTEM Application Instructions

**SUBSTRATES:** Concrete and steel

**COLOR OPTIONS:** Clear and 8 Standard Colors: See RhinoFlooring Color Guide

**HOW SUPPLIED:** RhinoSpeed™ FB is packaged in 4.5 gallon pails and 48 gallon drums.

**SLIP/FALL PRECAUTIONS:** RhinoFlooring recommends using slip resistant granules in all outdoor applications where these resins will be used as a topcoat sealer and on indoor applications that may be exposed to water, oil or other spills that may cause a slippery environment. Aluminum oxide granules #80 grit or courser may be broadcast into the prime coat to achieve the amount of slip resistance desired. It is the end user's responsibility to determine the suitability of a coating for their particular application. Rhino Linings or its sales agents will not be responsible for injury incurred in a slip/fall accident.

# RhinoSpeed™ FB

## Product Data Sheet

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

Chemical systems require 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. 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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