

DESCRIPTION: RhinoCrete HF by Rhino Flooring® is the latest generation of polyurethane concrete, specifically formulated to provide market leading chemical, heavy impact and thermal shock resistance, whilst exhibiting all of the installation properties that professional contractors demand. RhinoCrete HF is a trowel grade, solid color system that provides uncompromising performance characteristics with user friendly trowel-ability, working time and low odor - a unique formula for success.

TYPICAL USES: RhinoCrete HF is one of the toughest floors available, making it suited to a very wide range of industrial and commercial flooring applications. These include;
 All Food & Beverage Processing - Pharmaceutical Plants - Commercial Kitchens - Mechanical Rooms - Engineering M/C Shops
 Manufacturing - Loading Docks - Hot/Cold Wash Areas - Chemical Processing - Chilling/Refrigeration Areas - Prisons - Hospitals

FEATURES & BENEFITS:

- Longer Working Time
- Can Be Applied to 5 Day Old Concrete
- Moisture Tolerant System up to 25 lbs or Internal RH of 99%.
- MicrobeuBLOK Antimicrobial
- Self-Priming
- Non-Food Tainting
- LEED- Renewable Resources
- ProColor Universal Colorants
- Superior Adhesion Quality
- Superior Flow & Leveling
- Excellent Thermal Shock Resistance
- Service Temperature up to 220°F, or 250°F for Intermittent Spills
- RhinoCrete Accelerator available for Fast-Track Projects & Quicker Return to Service
- Low Odor/Zero VOC
- Reduced Outgassing
- Meets USDA, FDA, & CFIA Standards
- Excellent Chemical, Stain, & Impact Resistance
- Can Be Applied at Lower Temperature, Down to 36°F

PHYSICAL CHARACTERISTICS	
Mix Ratio (by volume)	1 unit of resin, 1 unit of hardener, and 1 blended aggregate bag
Viscosity at 70°F	Not Applicable
Pot life at 70°F	20 minutes
Cure Time, Tack-Free at 70°F	8 hours
Working Time at 70°F	25 minutes
Volatile Organic Compound	(VOC) nil

APPLICATION METHODS: See application guide lines for details.

PACKAGING

Pre-measured kits: 1 unit of resin, 1 unit of hardener, and a blended aggregate bag

STORAGE

Materials should be stored indoors between 65°F (18°C) and 90°F (32°C).

SHELF LIFE

Unopened containers - 1 year from date of manufacture.

Cement based aggregates should be stored in a dry environment for maximum shelf life.

Coverage

One single kit of RhinoCrete HF will cover approximately 20 sq ft @ 1/4" thickness

RHINO LININGS® EPOXY 200 (continued):

PHYSICAL PROPERTY	TEST METHOD	HD
Hardness (Shore D)	ASTM D-2240	80
Adhesion	ASTM D-4541	>400 psi, substrate fails
Impact Resistance	ASTM D-2794	>160 in./lb.
Water Absorption	ASTM D-570	<0.1%
Flammability	ASTM E-648	Class 1
Abrasion Resistance: CS17 Wheel 1000 GM Load 1000 Cycles	ASTM D-4060	50 mg loss
Coefficient of Friction (James Friction Tester) Wet Dry	ASTM D-2047	0.9 (smooth) 0.9 (smooth)
Heat Resistance Limitation Thermal Cycling (5 min. interval) (10 min. interval) Continuous Heat	Hot Oil (400°F) to Ice Water (25°F) Hot Oil (400°F) to Ice Water (25°F) 1 hour 300°F Hot Oil Submersion	40 cycles – no effect 40 cycles – no effect no effect
Compressive Strength	ASTM C-579	9,000 psi
Tensile Strength	ASTM C-307	1,000 psi
Flexural Strength	ASTM C-580	3,500 psi
Flexural Modulus of Elasticity	ASTM C-580	2.6 × 10 ⁶ psi
Thermal Coefficient of Linear Expansion	ASTM C-531	1.1 × 10 ⁻⁵ in./in.°F

Warranties: Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. Seller makes no other warranty, express or implied, and all implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Seller shall not be liable for prospective profits or special indirect or consequential damages. Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product.



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