

DESCRIPTION: RhinoCoat™ Flakes is a high gloss, epoxy-polyaspartic, seamless, flake broadcast flooring system with high compressive strength for outstanding performance characteristics available in a range of decorative finishes. Typically installed at a thickness of 1/16" to 1/8" this robust system is often installed to provide slip-resistance, cleanability and aesthetics that are easily tailored to each specific project.

TYPICAL USES: RhinoCoat™ Flakes is easy to apply and high performance, making it suited to a very wide range of industrial and commercial flooring applications. These include, but are not limited to:

- Commercial Kitchens
- Locker and shower rooms
- Garage Flooring
- High Traffic aisles
- Hospitals
- Animal Care facilities
- Prisons
- Garage Service Bays
- Wash Bays
- Wet and Dry Processing areas

FEATURES & BENEFITS:

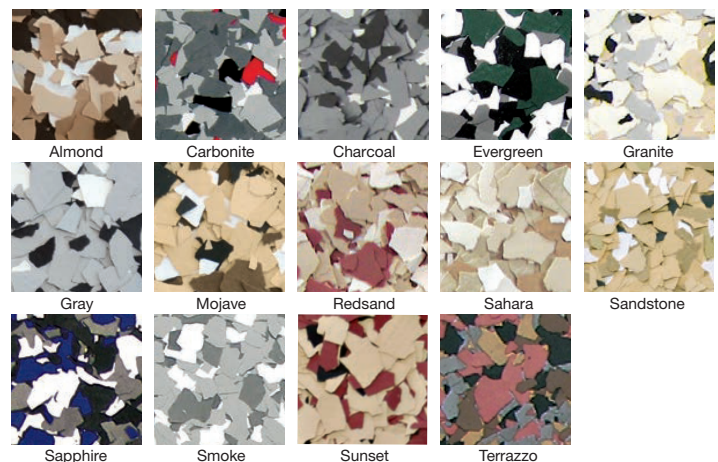
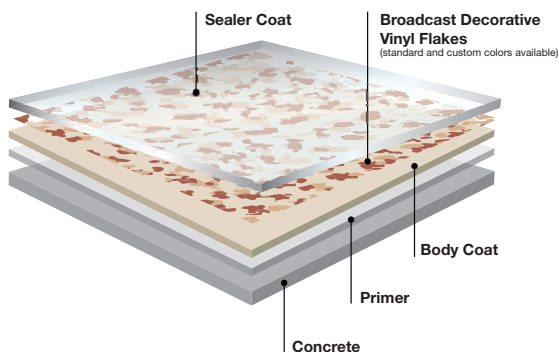
- Easy Application
- Excellent Abrasion Resistance
- Superior Impact Resistance
- Wide Range of Top Coats
- Good Chemical Resistance
- Low Odor/Zero VOC
- Meets USDA, FDA, & CFIA Standards
- Moisture Tolerant Primer up to 8 lbs or Internal RH of 99%
- Service Temperature up to 220°F, or 250°F for Intermittent Spills
- Fast-cure Resins Available for quicker turn-around
- Can Be Applied to "Green" Concrete
- Wide Decorative Flake offering
- Aesthetic Finish
- Doesn't Support Bacteria or Fungal Growth
- Good Thermal Shock Resistance
- UV Top Coats Available
- Excellent Chemical, Stain & Impact Resistance

YIELD: Actual material consumption and coverage rates will depend upon application, porosity and profile of substrates. Allowance must be also made for variation in film thickness or number of coats required to achieve opacity with light (i.e. white) or bright colours (i.e. reds and yellows) on dark substrates. Test sections are recommended to establish correct coverage.

APPLICATION METHODS: See application guide lines for details.

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.



RHINOCOAT™ Flakes (continued):

| Technical Data | |
|--------------------------------|---|
| Packaging | Primer: RhinoCoat EP or RhinoCoat GP in 3 or 15 gallon units (if required) Coat 1: RhinoCoat GP in 3 or 15 gallon units RhinoCoat Flake broadcast Top Coat: RhinoCoat CC in 3 or 15 gallon units (many additional high performance top coats available) |
| Yield | Primer: RhinoCoat EP or RhinoCoat GP @ 175 - 225 sq ft per gallon Coat 1: RhinoCoat GP @ 115 sq ft per gallon RhinoCoat Flake broadcast @ 0.15 lbs/sq ft Top Coat: RhinoCoat CC @140 sq ft per gallon (High performance top coats include RhinoSeal PA, RhinoSeal UV, RhinoSeal WB) |
| Colors | See RhinoFlooring Color Chart - Custom Flakes Broadcast also available |
| Pot Life / Open Time @ 70°F | 40 minutes |
| Wait Time Between Coats @ 70°F | 10 hours (varies with temperature) |
| Cure Time @ 70°F | Foot Traffic = 12 hrs, Light Traffic = 3 days, Full Cure = 7 days. (Can be accelerated) |

| CHEMICAL PROPERTY | TEST METHOD | RHINOCOAT QUARTZ BROADCAST |
|--|-------------|----------------------------------|
| Tensile Strength | ASTM C-307 | 920 psi |
| Adhesion | ASTM D-4541 | >290 psi, substrate fails |
| Impact Resistance | ASTM D-2794 | >2.1 ft 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 | 0.15 g loss |
| Temperature Resistance - Continuous - Intermittent | | 150 °F 220 °F |
| Compressive Strength | ASTM C-579 | 13,548 psi |
| Tensile Strength | ASTM C-307 | 1,500 psi |
| Flexural Strength | ASTM C-580 | >4,500 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 |

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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