

REFLEXIONS

Designer Flooring by Dur-A-Flex

DESCRIPTION

REFLEXIONS Designer Flooring by Dur-A-Flex is a decorative, “poured in place” flooring system which combines Dur-A-Flex’s durable and reliable resin systems with the latest in effects pigments to produce inspiring “one-of-a-kind” looks. REFLEXIONS floor systems consist of a pigmented epoxy primer coat, pigmented epoxy body coat and a long-wearing, gloss finish urethane top coat. In addition to its seamless cleanability, it requires no waxing.

BENEFITS

- Unlimited looks and color variations
- UV resistant for color stability
- Low VOC
- Good Abrasion Resistance
- Easy Maintenance
- Meets USDA, FDA, OSHA standards
- California Section 01350 Air Quality Compliant

TYPICAL USES

- Entries
- Dining Areas
- Lobbies
- Residential
- Reception Areas
- Garages
- Halls / Corridors
- Concourses
- Showrooms
- Retail areas
- Offices
- Bars & lounges
- Fitness Centers

COLORS

REFLEXIONS is available in 12 standard colors. Numerous looks and effects can be achieved by application process and/or use of multiple colors and shades. Please refer to the REFLEXIONS Color Chart.

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 90°F. Substrate must be clean, sound, and dry. The opacity of the coating will vary depending on the pigment color selected,

the applied thickness, and the color of the substrate. Due to the natural ambering of epoxy light colors should be avoided as the primary color.

NOTE: If applying over Elast-O-Coat apply a 8 – 10 mil coat of Dur-A-Gard or Dur-A-Gard 50/50 - do not use Shop Floor or Dur-A-Glaze #4.

CHEMICAL RESISTANCE

This product is resistant to most common chemicals. Please refer to master Chemical Resistance Chart on our website for actual resistance to specific chemicals/reagents.

GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Please contact DUR-A-FLEX for complete three part guide specs.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please contact DUR-A-FLEX for actual drawings.

APPLICATION METHOD

See the REFLEXIONS Application Instructions for complete instructions.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be profiled clean, sound, and dry. Please refer to the master Surface Preparation Guide on our website for more information.

MOISTURE CONCERNS

Normal limits for moisture vapor transmission for epoxy floor systems are 3 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 75% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Please refer to the Floor Evaluation Guidelines at www.dur-a-flex.com for complete details.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

REFLEXIONS

TECHNICAL INFORMATION

Physical Property	Test Method	Result
Hardness, Shore D	ASTM D-2240	75 – 80
Water Absorption	ASTM D-570	0.04%
Flammability	ASTM D-635	Self extinguishing
Flame Spread / NFPA-101	ASTM E-84	Class A
Tensile Strength	ASTM D-638	3,700 psi
Flexural Strength	ASTM D-790	4,700 psi
Compressive Strength	ASTM D-695	16,000 psi
Izod Impact (ft. Lb./in. notch)	ASTM D-256	0.50
Bond Strength to Concrete	ASTM D- 4541	400 psi substrate fails
Elevated Temperature	MIL D-3134	No slip or flow
Thermal Shock, 50 cycles of immersion in Chilled & boiling water	MIL F-52505	No cracking or loss of adhesion
UV Resistance	MIL F-52505	No chalking or loss of adhesion
Coefficient of Friction	ASTM D-2047	> 0.6
Abrasion Resistance, CS-17 Wheel, Wgt. Loss, 1000 gm. Load, 1000 cycles	ASTM D-4060	10 mg.loss – gloss finish 12 mg loss – satin finish
Salt Spray Resistance, 25% solution at 90°F		No effect after 100 hours
Toxicity		Non-toxic, meets USDA requirements
VOC Content		0 g/l

PACKAGING

REFLEXIONS epoxy primer and body coat materials are packaged in 1, 5 and 50 gallon containers. Armor Top topcoat is sold in kits only and is available in gloss or satin finishes.

CLEANING

This product is considered to be a low maintenance flooring solution requiring only regular sweeping. However, certain service environments may require more aggressive procedures. Please refer to the Cleaning Guide on our website.

CAUTION

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN. Before using any Dur-A-Flex, Inc. product, be sure the Material Safety Data Sheet is read and understood.