

DUR-A-QUARTZ “TM” EPOXY FLOORING (Trowel Method)

DESCRIPTION

DUR-A-QUARTZ “TM” Epoxy Flooring is a heavy duty, decorative, trowel applied, seamless flooring/resurfacing mortar comprised of specially formulated, clear, two-component, 100% solids epoxy and a special quartz aggregate blend. It is designed to decorate and protect new floors from chemical deterioration and abuse from tough traffic. DUR-A-QUARTZ “TM” adheres tenaciously to properly prepared concrete, tile, brick pavers, and wood.

BENEFITS

- Easy to Maintain.
- Chemical Resistant.
- Serves Long Life.
- Eliminates Waxing or Stripping.

LIMITATIONS

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry. Some trowel marks may be evident, especially on large, open areas.

TYPICAL USES

- Laboratories
- Cafeterias
- Showrooms
- Classrooms
- Lobbies
- Busy Corridors
- Pharmaceutical Plants
- Restrooms
- Industrial Plants

COLORS

DUR-A-QUARTZ “TM” is available in standard and custom blends.

PACKAGING

DUR-A-QUARTZ “TM” is available in 1-gallon cans, 5-gallon pails and 50-gallon drums. DUR-A-QUARTZ aggregate is available in 50 lb bags.

SURFACE PREPARATION

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

APPLICATION METHOD/SPREAD RATE

DUR-A-QUARTZ “TM” is trowel applied. It is customarily

applied at 1/8” or 3/16” thickness, but can be applied at 1/4” to fill and level an eroded or damaged concrete floor. The standard surface texture is smooth, but a slip-resistant grit can be added to the topcoat. A seamless sanitary cove base can be incorporated as an integral part of the flooring. See DUR-A-QUARTZ “TM” application instructions for complete details.

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.

JOINT GUIDELINES

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

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.

CHEMICAL RESISTANCE

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

CLEANING

This product is considered to be a low maintenance flooring solution, however, certain textures and service environments require specific procedures. Please refer to the master Cleaning Guide on our website.

SPECIAL PURPOSE FORMULA/CURE TIME

DUR-A-GLAZE #4 Water Clear hardener should be used throughout the system.

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TECHNICAL INFORMATION

Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D-2240	75-80
Compressive Strength	ASTM D-695	17,500 psi
Tensile Strength	ASTM D-638	4,000 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790	6,250 psi
Coefficient of Linear Expansion in./in./degrees F	-12°F to 140°F ASTM D-696	20 x 10 ⁻⁶
Bond Strength to Concrete	ACI-403	400 psi, substrate fails
Shear from Steel Plate	MIL D-3134	1,050 psi
Indentation	MIL D-3134	.025
Impact Resistance	MIL D-3134	No cracking or delamination
Elevated Temperature	MIL D-3134	No slip or flow
Water Absorption	ASTM D-570	0.04%
Electrical Conductivity		Non-conductive
Flammability	ASTM D-635	Self extinguishing
Flame Spread/NFPA-101	ASTM E-84	Class B
Critical Radiant Flux	ASTM E-648	Class I
Abrasion Resistance Taber Abrader CS-17 Wheel 100 GM Load, 1000 cycles	ASTM D-4060	Satin Finish Gloss Finish with grit - 8 mg. loss with grit - 4 mg loss no grit - 12 mg. loss no grit - 10 mg loss
Static Coefficient of Friction	ASTM D-2047	>0.6
Toxicity		Non-toxic, USDA approved
VOC Content		0 g/L

IMPORTANT!

Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT DUR-A-FLEX.COM FOR THE LATEST VERSION