

SHOP FLOOR

DESCRIPTION

SHOP FLOOR Epoxy Flooring is a combination of pigmented DUR-A-GLAZE SHOP FLOOR, a 100% solids epoxy and Flintshot, a natural quartz sand. The epoxy and the quartz aggregate are fused together during application into a monolithic surface that is extremely durable, thickness ranges from 1/16" - 1/4". SHOP FLOOR Epoxy Flooring is similar in application technique, durability and chemical resistance to the time tested DUR-A-QUARTZ Epoxy Flooring. It is available in three different textures; standard non-skid, orange peel and smooth.

BENEFITS

- Low Odor
- Meets USDA, FDA, OSHA standards
- Superior Adhesion
- Superior Chemical Resistance
- Easy Maintenance

LIMITATIONS

This product is best suited for application in temperatures between 60° F and 95° F. Substrate must be clean, sound and dry.

LIGHT COLOR SHOP FLOOR MUST BE APPLIED OVER A PIGMENTED PRIMER, MATCHING BROADCAST, AND/OR PIGMENTED GROUT COAT - FAILURE TO DO SO WILL RESULT IN BLOTCHY OR STREAKY COLOR OF THE FINAL SYSTEM.

TYPICAL USES

SHOP FLOOR Epoxy Flooring is designed for use wherever USDA, OSHA, FDA and EPA standards must be met. It can be applied on most sound substrates including concrete, quarry tile, brick pavers, plywood floors, etc. It is ideally suited for heavy-duty industrial applications, particularly in areas requiring durability, easy maintenance, a high degree of sanitation, and high acid and chemical resistance. SHOP FLOOR Epoxy Flooring will protect a new concrete floor from industrial abuse and harsh chemical spillage, and it will restore deteriorated concrete into a better than new condition. Typical areas of application:

- Laboratories
- Traffic Aisles
- Machine Shops
- Walk In Coolers
- Clean Rooms
- Manufacturing Areas
- Fire Stations
- Pharmaceutical Plants
- Mechanical Rooms
- Animal Care Areas

COLORS

SHOP FLOOR is available in 15 standard colors. The color *White* is only available for use with the DUR-A-GARD S/L 100 mil system. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

PACKAGING

SHOP FLOOR is available in 1-gallon cans, 5-gallon pails, and 50-gallon drums. Flintshot quartz sand is available in 50 lb bags.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be profiled, clean, sound, and dry. Substrate must be primed with DUR-A-SHIELD, DUR-A-GLAZE WB PRIMER, DUR-A-GLAZE MVP, or ELAST-O-COAT. Please refer to the Surface Preparation Guide on our website for more information.

APPLICATION METHOD

SHOP FLOOR is applied by the broadcast method. When recommended spread rates are followed, a Flintshot double broadcast produces a nominal 1/8" thick finish. See the full Application Instructions for further details on installation.

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.

JOINT GUIDELINES

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

MOISTURE CONCERNS

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 the 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.

DUR-A-GLAZE #4 “Water Clear” - Ideal for top - coating quartz floors. Has excellent color retention. May be used in warm temperatures when longer pot life is required.

SPECIAL PURPOSE FORMULATIONS

DUR-A-GLAZE #4 “Regular” – For most typical installations under normal conditions.

DUR-A-GLAZE #4 “Fast” – Use for intermediate coats in room temperature areas where fast turnaround is desired.

SHOP FLOOR

TECHNICAL INFORMATION

Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D-2240	75-80
Compressive Strength	ASTM D-695 ASTM C-579	17,500 psi 12,500 psi
Tensile Strength	ASTM D-638 ASTM C-307	4,000 psi 2,600 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790 ASTM C-580	6,250 psi 4,500 psi
Flexural Modulus of Elasticity	ASTM D-790	6.2 x 10 ⁵
Coefficient of Linear Expansion	ASTM D-696	2 x 10 ⁻⁵
Bond Strength to Concrete	ASTM D-4541	400 psi substrate fails
Indentation	ML D-3134	.025 MAX
Impact Resistance	ML D-3134	Pass
Water Absorption	ASTM D-570	0.04%
Heat Resistance Limitation		140°F - 200°F
Flammability	ASTM D-635	Self Extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class B
Abrasion Resistance CS-17 Wheel, 1000g load, 1000 cycles	ASTM D-4060	10 mg loss
Static Coefficient of Friction [#]	ANSI B101.1	>0.6
Dynamic Coefficient of Friction - Wet [#]	ANSI A326.3	>0.42
VOC Content		8 g/L

* Pot life is shorter at higher temperature. Do not use below 55°F or above 95°F.

** Fast Hardener is to be used for applications between 40°F and 55°F.

[#]Dur-A-Flex flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation. Contact your Dur-A-Flex territory sales manager or tech representative for more information on alternative textures, grit/grip additives, or smooth coatings for your specific environment. A sample should always be obtained and tested prior to purchase for any non-slip flooring system.

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