

DUR-A-CRETE

DESCRIPTION

DUR-A-CRETE is a heavy duty, trowel applied, seamless floor topping comprised of specially formulated two component, 100% solids epoxy resins and select graded, plain, and colored sand aggregate. It is designed to repair deteriorated floors and to protect new floors from chemical deterioration and industrial abuse. DUR-A-CRETE adheres tenaciously to properly prepared concrete, quarry tile, ceramic tile and brick pavers. A seamless, sanitary, cove base can be incorporated into this system.

BENEFITS

- Fills and Levels Deteriorated Substrates
- Long Working Time
- Easy to Trowel
- No Odor
- Can Be Non-Skid or Smooth Texture

LIMITATIONS

This product is best suited for application in temperatures between 55°F and 90°F. Substrate must be clean, sound, and dry.

TYPICAL USES

DUR-A-CRETE is ideally suited for use where OSHA, USDA, and EPA standards must be met. Such as:

- Machine Shops
- Loading Docks
- Traffic Aisles
- Ramps
- Heavy Manufacturing Areas
- Spalled Joint Repair

COLORS

DUR-A-CRETE is natural but is available in standard colors when mixed with SHOP-FLOOR liquids. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

PACKAGING

CRETE GARD hardener and resin are available in 1-gallon cans and 5-gallon pails. DUR-A-GLAZE #4 is available in 1-gallon cans, 5-gallon pails and 50-gallon drums. DUR-A-CRETE TROWEL MIX aggregate is available in 40 lb bags.

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.

APPLICATION METHOD

DUR-A-CRETE is always hand or power troweled into a wet primer of DUR-A-GLAZE #4. It is customarily applied at 1/4" thickness but can be applied as thick as necessary to fill and level an eroded or spalled concrete floor.

GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Three part guide specs may be found on the Dur-a-Flex website.

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

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 a low maintenance flooring solution. Please refer to the master Cleaning Guide on our website.

SPECIAL PURPOSES FORMULA

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.

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

DUR-A-GLAZE Novolac – For areas with exposure to high heat and/or high concentrations of acid or alkali.

DUR-A-CRETE		
TECHNICAL INFORMATION		
Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D-2240	80
Compressive Strength	ASTM D-695 ASTM C-579	17,500 psi 12,500 psi
Tensile Strength	ASTM D-638 ASTM C-307	2,500 psi 1,800 psi
Tensile Elongation	ASTM D-638	7.00%
Flexural Strength	ASTM D-790 ASTM C-580	5,900 psi 4,200 psi
Flexural Modulus of Elasticity	ASTM D-790	6.0 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	No indentation
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 D-84	Class A
Abrasion Resistance CS-17 Wheel 1000 GM Load 1000 cycles	ASTM D-4060	4 mg loss
Static Coefficient of Friction*	ANSI B101.1	>0.6
Dynamic Coefficient of Friction - Wet*	ANSI A326.3	>0.42
VOC Content		0 g/L

*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