Another Quality
Dur-A-Flex® Product

DUR-A-CRETE™

HEAVY-DUTY RESURFACER

Formulated to restore or replace eroded or spalled concrete or tile floors, Dur-A-Crete™—another superior Dur-A-Flex® product—is a heavy-duty seamless floor topping, trowel-applied in an integrated 3-step process. Components include 100 percent solids epoxy resins and select graded aggregates.

No two floors are the same, so we designed Dur-A-Crete™ to utilize different hardeners for a perfect fit to a specific environment. Regular, KF, CR4 or Novolac formulations are available to handle various degrees of chemical and thermal shock resistance. It is applied in thicknesses ranging from one-quarter inch to whatever thickness you need to fill and level your worn or eroded concrete floor.

Designed to harden and cure quickly, reducing down time, the Dur-A-Crete™ advanced flooring system provides unmatched quality and protection. Performance may be further enhanced with the application of Elast-O-Coat™ membrane and the Crete-Gard™ performance topcoat, which seals and protects while improving cleanability.

Typical uses:

- loading docks
- ramps
- chemical plants
- traffic aisles
- battery plants
- plating rooms
- steel wheel truck areas

TROWEL APPLIED
ABRASION RESISTANT
VERSATILE

Dur-A-Crete™ is applied as a three-component system of 100 percent solids epoxy mortar, applied in tandem with a prime coat. Dur-A-Crete™ affords unparalleled protection for a variety of restorative and protective uses. The Dur-A-Crete™ flooring system offers unmatched compressive, tensile and flexural strength, with superior abrasion resistance and hardness. It resists the harshest chemicals and adheres tenaciously, without odor, when applied to properly prepared concrete.

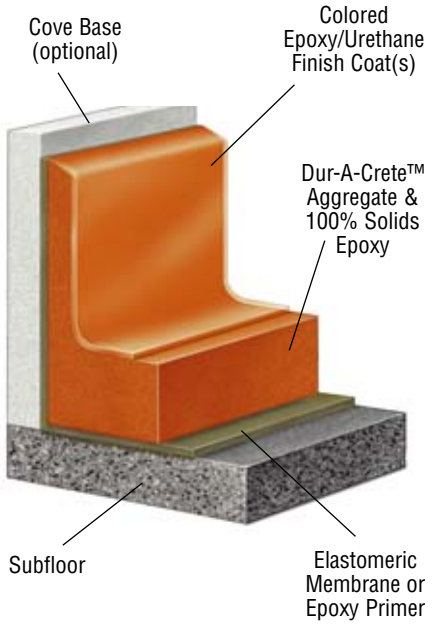
Known for easy handling and good troweling characteristics, Dur-A-Crete™ can also incorporate a seamless, sanitary cove base. These qualities make it the ideal, long-lasting protective choice for a variety of applications.

PERFORMANCE FLOORING SOLUTIONS
DUR-A-FLEX® Inc.
EPOXIES • MMA • URETHANES
COLORED QUARTZ AGGREGATES

Dur-A-Crete™ Heavy-Duty Resurfacer

Physical Properties

	Test Method	Nominal 1/4"
Hardness (Shore D)	ASTM D-2240	80
Compressive Strength	ASTM D-695	17,500 psi
	ASTM C-579	12,500 psi
Tensile Strength	ASTM D-638	2,500 psi
	ASTM C-307	1,800 psi
Tensile Elongation	ASTM D-638	7.00%
Flexural Strength	ASTM D-790	(C293) 5,900 psi
	ASTM C-580	4,200 psi
Flexural Modulus of Elasticity	ASTM D-790	6.0×10^5
Coefficient of Linear Expansion	ASTM D-696	2×10^{-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 E-84	Class A
Abrasion Resistance	ASTM D-4060	
CS17 Wheel 1000 GM Load 1000 Cycles		18 mg loss
Coefficient of Friction	ASTM D-2047	
Standard Slip Resistant		0.95 Unsealed
Orange Peel		0.8
Smooth		0.7
VOC Content		0 g/l



TYPICAL DUR-A-CRETE APPLICATION

Chemical Resistance Guide

Legend: R=Recommended, S=Splash and Spill, N=Not Recommended

Reagent*	Reg. or KF	CR4	Novolac	Reagent*	Reg. or KF	CR4	Novolac
Acetic Acid 10%	R	R	R	Hydrofluoric Acid 40%	N	S	R
Acetone	N	N	R	Hydraulic Fluid	R	R	R
Acetic Acid Glacial 100%	N	S	R	Isopropyl Alcohol	S	R	R
Ammonium Hydroxide 28%	R	R	R	Lactic Acid 20%	R	R	R
Benzene	N	S	S	Methyl Isobutyl Ketone	N	S	S
Brake Fluid	R	R	R	Methylene Chloride	N	N	R
Calcium Chloride 30%	R	R	R	Mineral Spirits	S	S	R
Clorox (Full Strength)	R	R	R	Motor Oil	R	R	R
Coca Cola	R	R	R	Mustard	R	R	R
Cottage Cheese	R	R	R	Nitric Acid 10%	N	S	R
Chromic Acid 10%	S	R	R	Phosphoric Acid 85%	N	S	R
Citric Acid 30%	S	R	R	Salt Water	R	R	R
Ethyl Alcohol 95%	N	N	R	Spic and Span 30%	R	R	R
Ethylene Glycol	R	R	R	Syrup	R	R	R
Ethylene Dichloride 10%	R	R	R	Sulfuric Acid 30%	S	R	R
Ferric Chloride	**R**	**R**	**R**	Sodium Hydroxide 30%	R	R	R
Gasoline	R	R	R	Silver Nitrate	R	R	R
Glycerin	R	R	R	Tide Detergent	R	R	R
Hydrogen Peroxide 6%	R	R	R	Trichloroethylene	N	N	R
Hydrochloric Acid 30%	R	R	R	Tri-sodium Phosphate	R	R	R

***Reagents listed in bold may stain.** Chemical and stain resistance can be improved by using Poly-Thane™ as a topcoat(s).
Note: Testing should not be conducted until coating cures 7-10 days at 70°F.

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