

Another Quality
Dur-A-Flex® Product

DUR-A-CHIP™

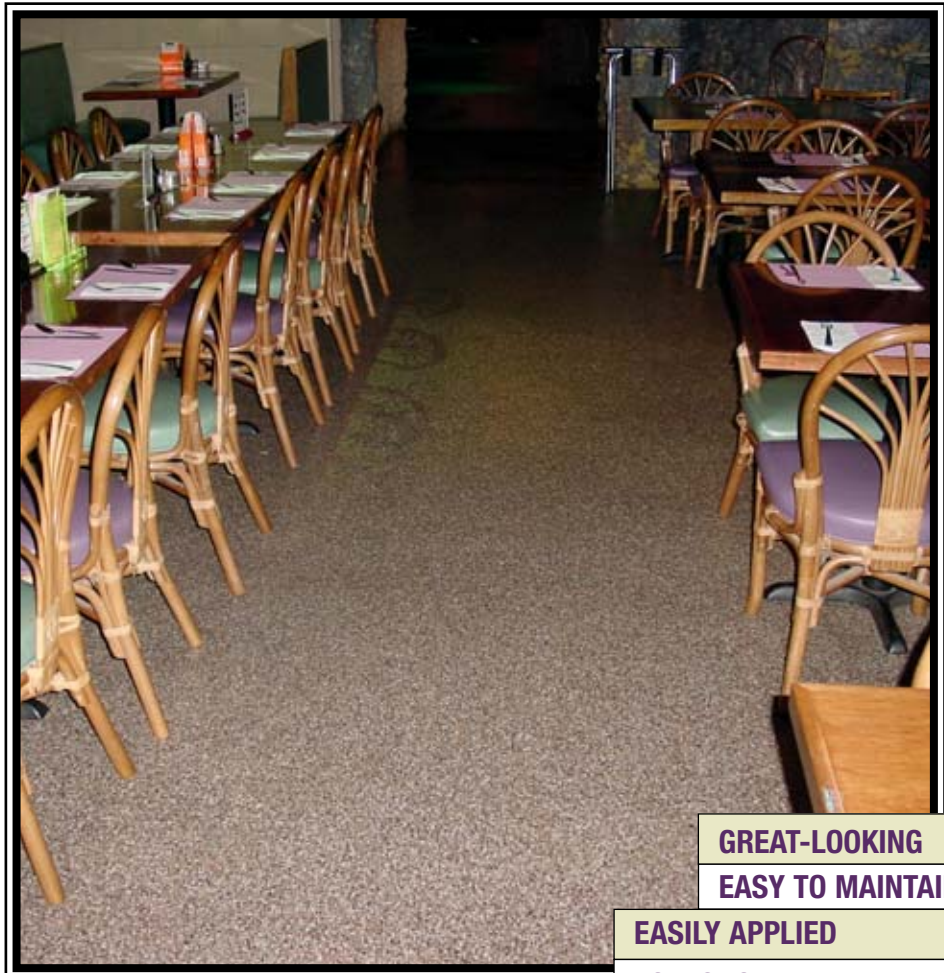
FLOORING SYSTEM



Finally, functional flooring that's attractive and seamless. Add flair to your entrance, lobby or accent your manufacturing area—Dur-A-Chip™ is suitable for any area where a high level of aesthetics and durability is desired.

Combined with a high-quality Dur-A-Flex® primer and topcoat, the result is a surface that is as durable as it is decorative. Dur-A-Chip™ is easy to install and is formulated to cure and harden quickly, therefore reducing down time.

Performance may be further enhanced with the application of Elast-O-Coat™ membrane where water leakage is of concern. As with all Dur-A-Flex® products, Dur-A-Chip™ meets or exceeds USDA, FDA and OSHA requirements.



GREAT-LOOKING
EASY TO MAINTAIN

EASILY APPLIED

LOW ODOR

Typical uses:

- hospitals
- laboratories
- light manufacturing areas
- restaurants
- retail
- lobbies
- clean rooms
- rest rooms
- concourse
- hallways / corridors

Dur-A-Chip™ Seamless Flooring is a decorative “poured in place” epoxy flooring system consisting of liquid polymers and Macro or Micro decorative chips. It is designed to provide a terrazzo-like appearance with the benefits of a seamless floor. In addition to its seamless cleanability, it requires no waxing. Heavier traffic areas can be renewed periodically with an additional performance topcoat. Surface finish can be smooth or slip resistant.

ABRASION RESISTANT

Dur-A-Chip™ 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

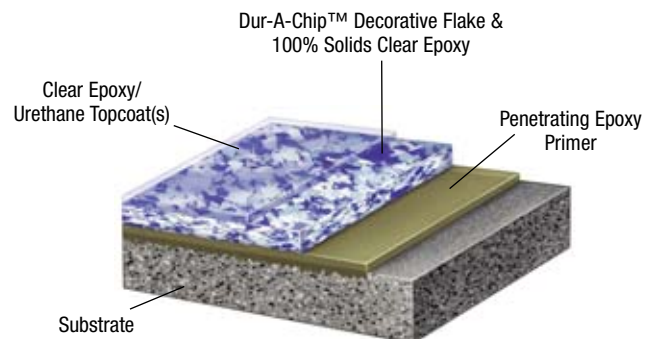
Dur-A-Chip™ Epoxy Flooring



Physical Properties

Physical Property	Test Method	35 Mils
Hardness (Shore D)	ASTM D-2240	75-80
Compressive Strength	ASTM D-695	16,000 psi
Tensile Strength	ASTM D-638	3,700 psi
Flexural Strength	ASTM D-790	4,700 psi
Bond Strength to Concrete	ASTM D-4541	400 psi substrate fails
UV Resistance	MIL F-52505	No chalking or loss of adhesion
Izod Impact (ft.Lb./in. notch)	ASTM D-256	0.50
Water Absorption	ASTM D-570	0.04%
Elevated Temperature	MIL D-3134	No slip or flow
Flammability	ASTM D-635	Self Extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class A
Abrasion Resistance	ASTM D-4060	
CS17 Wheel, Wgt. Loss, 1000 gm. Load, 1000 Cycles		24 mg loss
Thermal Shock	MIL F-52505	
50 cycles of immersion in chilled & boiling water		No cracking or loss of adhesion
Coefficient of Friction	ASTM D-2047	
Standard Slip-Resistant		0.9
Orange Peel		0.8
Smooth		0.7
VOC Content		0 g/l

TYPICAL DUR-A-CHIP APPLICATION



Chemical Resistance Guide

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

Reagent*	Dur-A-Glaze Water Clear	Poly-Thane 1	Poly-Thane 2 HS	Reagent*	Dur-A-Glaze Water Clear	Poly-Thane 1	Poly-Thane 2 HS
Acetic Acid 10%	R	R	R	Methyl dipropasol solvent	N	R	R
Acetone	N	R	R	Methylene Chloride	N	S	N
Ammonia 30%	R	R	R	Mineral Spirits	S	R	R
Ammonium Hydroxide 30%	R	R	R	Nitric Acid 20%	S	R	R
Benzyl Alcohol (Photo)	S	R	R	Nitric Acid 40%	N	R	R
Caustic Soda Solution	R	R	R	Phosphoric Acid 10%	R	R	R
Chromic Acid 10%	R	R	R	Phosphoric Acid 30%	S	R	R
Citric Acid 20%	R	R	R	Phosphoric Acid 50%	S	R	R
Clorox	R	R	R	PM Solvent	N	R	R
Ethyl Acetate 99%	N	R	R	Propylene Glycol	R	R	R
Formaldehyde 37%	S	R	R	Silver Nitrate 20%	R	R	R
Gasoline	R	R	R	Skydrol	S	R	R
Glycol Ether	N	R	R	Sodium Hydroxide 50%	R	R	R
Hydraulic Fluids	R	R	R	Sodium Hypochlorite 15%	R	R	R
Hydrochloric Acid 35%	R	R	R	Sodium Hypochlorite 50%	N	R	R
Hydrofluoric Acid 40%	N	R	S	Sulfuric Acid 10%	R	R	R
Hydrogen Peroxide 30%	S	R	R	Sulfuric Acid 50%	N	S	S
Iodine 2%	R	R	R	Toluol	N	R	R
MEK	N	S	S	Trichloroethylene (1, 1, 1)	S	R	R
Methanol	N	R	R	Trichloroethylene	N	R	R
Methyl Cellosolve	N	R	R	Xylene	S	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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