

DUR-A-CHIP

DESCRIPTION

DUR-A-CHIP SEAMLESS FLOORING is a decorative, “poured in place” flooring system consisting of liquid polymers and color-fast decorative chips. DUR-A-CHIP incorporates DUR-A-GARD for the base coat and is grout coated with DUR-A-GLAZE #4 and top coated with ARMOR TOP. DUR-A-CHIP is designed to provide a terrazzo-like appearance. In addition to its seamless cleanability, it requires no waxing. Surface finish can be smooth or slip resistant.

BENEFITS

- Easy Installation
- Low Odor
- Meets USDA, FDA, OSHA standards
- Easy To Use
- Good Abrasion Resistance
- Easy Maintenance

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 90°F. Substrate must be clean, sound, and dry.

TYPICAL USES

- Laboratories
- Hospitals
- Rest Rooms
- Lobbies
- Concourse
- Schools
- Pharmaceuticals
- Clean Rooms
- Halls / Corridors
- Retail
- Dining Areas
- Supermarkets

COLORS

DUR-A-CHIP is available in MACRO or MICRO decorative chips. The MACRO and MICRO chips are available in standard and custom multi-color pre-blends. Please refer to the MACRO and MICRO Chip Color Selector Chart.

PACKAGING

DUR-A-GARD and DUR-A-GLAZE #4 are available in 5-gallon pails and 50-gallon drums. ARMOR TOP is available as kits. DUR-A-CHIP is available in 10 lb or in 55 lb boxes.

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

See the DUR-A-CHIP application instruction sheet for complete instructions.

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.

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TECHNICAL INFORMATION

Salt Spray Resistance, 25% solution at 90°F	No effect after 100 hours	
Toxicity	Non-toxic, meets USDA requirements	
Physical Property	Test Method	Result
Hardness, Shore D	ASTM D-2240	75 – 80
Water Absorption	ASTM D-570	0.04%
Flammability	ASTM D-635	Self extinguishing
Flame Spread / NFPA-101	ASTM E-84	Class A
Tensile Strength	ASTM D-638	3,700 psi
Flexural Strength	ASTM D-790	4,700 psi
Compressive Strength	ASTM D-695	16,000 psi
Izod Impact (ft. Lb./in. notch)	ASTM D-256	0.50
Bond Strength to Concrete	ASTM D- 4541	400 psi substrate fails
Elevated Temperature	MIL D-3134	No slip or flow
Thermal Shock, 50 cycles of immersion in Chilled & boiling water	MIL F-52505	No cracking or loss of adhesion
UV Resistance	MIL F-52505	No chalking or loss of adhesion
Abrasion Resistance, CS-17 Wheel, Wgt. Loss, 1000 gm. Load, 1000 cycles	ASTM D-4060	24 mg.loss
Coefficient of Friction	ASTM D-2047	>0.6
VOC Content		0 g/l

CHEMICAL RESISTANCE

This product is resistant to most 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.

CAUTION

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN. Before using any Dur-A-Flex, Inc. product, be sure the Material Safety Data Sheet is read and understood.

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