

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 can be top coated with DUR-A-GLAZE #4 or POLY-THANE #2 HIGH SOLIDS. DUR-A-CHIP 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 top coat. 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

COLORS

DUR-A-CHIP is available in MACRO or MICRO decorative chips. The MACRO chips are available in standard blends. Color options include solid colors or custom multi-color pre-blends. Please refer to the MACRO Chip Color Selector Chart. The MICRO chips are available in 9 pre-blended colors. Please refer to the MICRO Chip Color Selector Chart.

TYPICAL USES

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|----------------|-----------------------|
| • Laboratories | • Pharmaceuticals |
| • Hospitals | • Clean Rooms |
| • Rest Rooms | • Halls / Corridors |
| • Lobbies | • Retail |
| • Concourse | • Light Manufacturing |
| • Schools | |

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**” for more information.

APPLICATION METHOD

DUR-A-CHIP is applied with a roller or squeegee. A typical yield at 35 mils thickness is approximately 200 - 300 Sq Ft per gallon of epoxy and 1 pound of decorative chip per 9 Sq Ft. See the DUR-A-CHIP application instruction sheet for complete instructions.

LIMITATIONS

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry. POLY-THANE #1 should not be used as a final top coat over light colors as it has a tendency to amber.

PACKAGING

DUR-A-GARD, DUR-A-GLAZE #4, DUR-A-GLAZE “Water Clear”, and POLY-THANE #2 HIGH SOLIDS are available in 5-gallon pails and 50-gallon drums. DUR-A-CHIP is available in 10 lb or in 55 lb boxes.

CHEMICAL RESISTANCE

This product is resistant to most common chemicals. Please refer to master “**Chemical Resistance Chart**” for actual resistance to specific chemicals/reagents.

JOINT GUIDELINES

Refer to the [Joint Guidelines](#) for complete details on our website.

DUR-A-CHIP

TECHNICAL INFORMATION

Salt Spray Resistance, 25% solution at 90°F	No effect after 100 hours	
Toxicity	Non-toxic, USDA approved	
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
VOC Content		0 g/l

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.

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**”.

MOISTURE CONCERNS

Moisture vapor transmission in the slab should be measured prior to application of polymeric systems to ensure a long lasting, durable installation. Please refer to the master “**Moisture Guidelines**” for more information.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please contact DUR-A-FLEX for actual drawings.

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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