

HYBRI-FLEX AC

DESCRIPTION

HYBRI-FLEX AC is a 100% solids low odor decorative chip system. It is composed of a 1/8" POLY-CRETE MD SL body coat with a decorative chip broadcast; a DUR-A-GLAZE #4 broadcast coat, and two DUR-A-GLAZE #5 topcoats yielding a total nominal system thickness of 3/16".

BENEFITS

- VOC Compliant
- ADA Compliant
- Contributes to LEED Credits
- Meets USDA, FDA and CFIA Standards
- Hygienic - Does Not Harbor Bacteria
- High Chemical Resistance
- High Abrasion Resistance
- Self-Priming for Most Applications
- Wide Service Temperature Range
- Can Be Installed With Moisture Levels Up To 12 lbs/1,000 sf/24 hrs and 92%RH
- Can Be Applied To 5-7 Day Old Concrete

COLORS

The decorative colored chips that are used in the HYBRI-FLEX AC system are available in MACRO and MICRO size. Refer to the Color Selection Chart for the standard chip blends. Customs blends are available.

TYPICAL USES

HYBRI-FLEX AC is designed to protect concrete, polymer reinforced screeds, mild steel and water resistant plywood from chemical attack, corrosion, impact and thermal shock. It is also unaffected by freeze/thaw cycles.

- Malls
- Hospitals
- Labs
- Commercial Businesses
- Educational Facilities

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Surface must be profiled, clean, dry, oil free and sound. Please refer to the "**Surface Preparation Guide**" for more information.

APPLICATION METHOD

POLY-CRETE MD SL is applied to a properly prepared area at the required thickness using a "V" notched squeegee. The freshly placed material is then loop rolled into which the proper size colored chip blend is broadcast to excess to achieve the desired aesthetics. Allow a minimum of 6 hours for the Base Coat to cure before sweeping, sanding or vacuuming. A second chip broadcast is delivered into Dur-A-Glaze #4. Apply the DUR-A-GLAZE #5 coats to achieve the required finish. See "**Application Instructions**" for detailed installation procedure.

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 85°F. Substrate must be clean, sound and dry.

STORAGE CONDITIONS

HYBRI-FLEX AC components must be stored dry. Do not allow resins to freeze. Do not store near open flame or food. The shelf life of this product is 6 months from ship date in the original unopened container.

PACKAGING

POLY-CRETE MD SL is available in pre-measured kits that consist of resin, hardener and aggregate. DUR-A-GLAZE #5 is available in 3-quart pre-measured kits.

CHEMICAL RESISTANCE

HYBRI-FLEX AC has excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic oils, as well as aromatic and aliphatic hydrocarbons. Contact the Dur-A-Flex Technical Department for questions about specific chemicals.

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TECHNICAL INFORMATION

Physical Property	Test Method	Result
60 Gloss	ASTM D-523	90+
Impact Resistance	ML D-2794	>160
Solids by volume		100
Adhesion	ASTM D-4541	400 psi
Hardness	ASTM D-3363 ASTM D-2134	3H 40+
QUV	UVB-373/1500hrs	>90% gloss retention
Flexibility (1/4: Cylindrical mandrel)	ASTM D-1737	Pass
Elongation	ASTM D-2370	9%
Tensile Strength	ASTM D-2370	7,000 psi
Coefficient of Friction	ASTM D-2047	>0.6
Abrasion Resistance CS17 wheel (1000g load) 1000 Cycles	ASTM D- 4060	15 mg loss
VOC Content		4.93 g/l

MOISTURE CONCERNS

Please refer to the [Floor Evaluation Flow Chart](#) in the Contractor's Center of our website for a step-by-step process to determine the condition of the concrete.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the master "**Drawings and Details**" guide for actual drawings.

JOINT GUIDELINES

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

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

Regular scrubbing will maintain these systems in serviceable condition. However, certain textures and service environments require specific procedures. Please refer to the master "**Cleaning Guide**" for more information.

CAUTION

Read, understand and follow Material Safety Data Sheets and Application Instructions of this flooring system prior to use. Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed

Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.