

## ULTRA-CLEAR

### DESCRIPTION

ULTRA-CLEAR is a clear, two component 100% solids, thermosetting epoxy designed specifically for the DUR-A-QUARTZ, and DUR-A-CHIP decorative flooring systems. ULTRA-CLEAR is the purest formulation of its kind in the DUR-A-FLEX line of epoxy products. ULTRA-CLEAR protects against UV rays and helps prevent the floor from ambering. ULTRA-CLEAR reinforces the visual depth and texture of the quartz and chip blends.

### BENEFITS

- Excellent UV Resistance
- Low Odor
- No VOC
- Excellent Clarity
- Better Air Release over broadcast system

### LIMITATIONS

This product is best suited for application in temperatures between 55°F and 95°F. If added UV stability and abrasion resistance is desired, apply a single coat of POLY-THANE 2 HIGH SOLIDS after the ULTRA-CLEAR has cured. Substrate must be clean, sound, and dry.

### TYPICAL USES

ULTRA-CLEAR is typically used as a grout coat for DUR-A-CHIP and DUR-A-QUARTZ seamless flooring systems.

### COLORS

ULTRA-CLEAR is only available as a transparent formula.

### PACKAGING

ULTRA-CLEAR is available in 1-gallon cans, 5-gallon pails, and 50-gallon drums.

### 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/SPREAD RATES

ULTRA-CLEAR is applied with a brush, roller, squeegee and trowel. Spread rate will vary with desired thickness. ULTRA-CLEAR is a versatile component used in DUR-A-QUARTZ and DUR-A-CHIP epoxy systems. See 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

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.

### CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please refer to the master Chemical Resistance Chart on our website for actual resistance to specific chemicals/reagents.

**ULTRA-CLEAR**

**TECHNICAL INFORMATION**

|   |  |
|---|--|
| Color                                       | Clear                                    |
| Mix Ratio (by volume)                       | 1 part hardener to 2 parts resin         |
| Viscosity at 70°F (mixed hardener & resin)  | 700 cps                                  |
| Pot Life at 70°F                            | 45 minutes                               |
| Cure Time, Touch Dry at 70°F                | 8 Hours                                  |
| Cured Film Thickness                        | 16 mils at 100 sq.ft./gallon spread rate |
| Salt Spray Resistance, 25% solution at 90°F | No effect after 100 hours                |
| Toxicity                                    | Non-toxic, USDA approved                 |

| <b>Physical Property</b>                                  | <b>Test Method</b> | <b>Result</b>                        |
|---|--------------------|--------------------------------------|
| Hardness, Shore D   | ASTM D-2240        | 80-85                                |
| Compressive Strength                                      | ASTM D-695         | 11,200 psi                           |
| Tensile Strength  | ASTM D-638         | 2,100 psi                            |
| Impact Resistance   | MIL D-24613        | 0.0007", no cracking or delamination |
| Flexural Strength   | ASTM D-790         | 5,100 psi                            |
| Bond Strength to Concrete                                 | ACI-40             | Substrate failure                    |
| Abrasion Resistance, CS17 Wheel, 1000g load, 1000 cycles. | ASTM D-4060        | 35 mg loss                           |
| Water Absorption  | MIL D-24613        | Nil                                  |
| Coefficient of friction                                   | ASTM D-2047        | >0.6                                 |
| VOC Content   |                    | 0 g/l                                |

**CLEANING**

This product is considered to be a low maintenance flooring solutions, 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.*