DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

PRODUCT DATA SHEET

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POLY-CRETE WR

DESCRIPTION

POLY-CRETE WR is an aggregate filled, trowel applied cove system based upon a liquid polyurethane resin. It is designed specifically for use with POLY-CRETE HF and POLY-CRETE MD and POLY-CRETE SL polyurethane flooring in order to maintain the same standards of resistance to abrasion and chemical contact.

BENEFITS

- VOC Compliant
- Low Odor
- Meets USDA, FDA, and CFIA standards
- Superior Adhesion
- Superior Chemical Resistance
- Thermal Shock Resistant
- Wide Service Temperature, -100 to 220 F
- Can Be installed With Moisture Levels Up To 14 lbs/1,000 sf/24 hrs.

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 85°F. Priming is required for maximum adhesion and ease of installation. Moisture content of substrate should not exceed 10%. Substrate must be clean, sound and dry.

TYPICAL USE

POLY-CRETE WR is used to form chemically resistant coving. It is used in combination with POLY-CRETE HF to provide a seamless floor/wall transition. When used in wet environments or high pressure washing areas, POLY-CRETE WR should be topcoated with 1-2 coats of POLY-CRETE TF. Can also be used for repairs and pitching.

Typical areas of application:

- Chemical Processing
- Food Processing Areas
- Cook / Chill Areas
- Spalled Joint Repair
- Plant Vehicle Aisles
- Bottling Areas
- Sanitize / Wash Areas

COLORS

Refer to the Poly-Crete Color Chart for standard colors.

PACKAGING&STORAGE CONDITIONS

POLY-CRETE WR is available in three part kits consisting of resin, hardener, and aggregate. POLY-CRETE WR must be stored dry. Do not store near open flame or food. Do not use partial bags of aggregate. Do not allow resins to freeze. Every POLY-CRETE product will be shipped with a lot number on the label. The first two digits indicate the year; the second two show the month, the third two will be the day. The shelf life is 6 months from the date on the label in the original unopened container.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from DUR-A-FLEX products, the correct surface preparation is required. This product requires priming. In combination with an epoxy primer, POLY-CRETE WR adheres well to concrete, drywall, brick, blockwall, plywood and mild steel. Please refer to the master Surface Preparation Guide for more information.

APPLICATION METHOD/SPREAD RATE

A kit will yield approximately 35 feet of cove at 4 inches high or 25 feet of cove at 6 inches high. When using coving strip reduce yield to 26 feet at 4 inches and 18 feet at 6 inches. POLY-CRETE WR is applied using a coving trowel at 1/16 to 1 inch thickness. Using a scraper-style pail mixer combine resin with hardener and blend thoroughly for one minute before adding aggregate. Blend the combined aggregate, resin and hardener for an additional two minutes. It is applied to a tacky prime coat of DUR-A-GLAZE #4 COVE REZ or POLY-CRETE TF PLUS if there are moisture level concerns.

GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Please refer to the master Specifier's Guide for complete three part guide specs.

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.

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. Best results are obtained when top coated with POLY-CRETE TF PLUS. Please call the DUR-A-FLEX Technical Department for actual resistance to specific chemical/regents.

CLEANING

This product is considered to be a low maintenance flooring solution; however, certain textures and service environments do require certain procedures. Please refer to the Master Cleaning Guide.

CAUTION

Adequate cross ventilation should be provided. 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.

POLY-CRETE WR **TECHNICAL INFORMATION**	
Cure Time @ 70°F	
Light Traffic	6-8 hours
Light Wheel Traffic	12-16 hours
Full Service	3-5 days
Mix Ratio (by volume)	3 Component Kit
Pot Life - 1 gallon @ 77°F	20 minutes
Adhesion to Concrete	> 400 psi, concrete fails before loss of bond
Service Temperature	-100 to 220°F (live stream)

Physical Property	**Test Method**	**Result**
Hardness (Shore D)	ASTM D-2240	85
Compressive Strength	ASTM C-579	7,250 psi
Tensile Strength	ASTM D-638	750 psi
Impact Resistance @ 125 mils	ASTM D-1709	> 160 inch lbs
Flexural Strength	ASTM D-790	4,400 psi
VOC Content		0 g/L

IMPORTANT!

Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT **DUR-A-FLEX.COM** FOR THE LATEST VERSION