

POLY-CRETE NATURAL SL

DESCRIPTION

POLY-CRETE NATURAL SL is a 100% solids, aromatic, self-leveling, cementitious urethane blended with graded silica and fine fillers and applied at 1/8 inch as a basecoat for Accelera HB, HQ and HC, Poly-Crete SLB and all Hybri-Flex flooring systems. In approved applications, POLY-CRETE NATURAL SL may be used as a moisture mitigating underlayment for resilient flooring products. POLY-CRETE NATURAL SL may be used in any application where POLY-CRETE SL is specified. Contact the Dur-A-Flex Technical Department for more information.

BENEFITS

- VOC Compliant
- ADA Compliant
- LEED Credits Available
- Meets USDA, FDA, and CFIA Standards
- Superior Adhesion
- Can Be applied To 7-14 Day Old Concrete
- Withstands moisture levels up to 20 lbs./1,000 sq. ft./24 hours and up to 99% RH.

COLORS

POLY-CRETE NATURAL SL may be used in its natural state or pigmented on site with POLY-CRETE NATURAL SL Pigment packs. Refer to the Poly-Crete Natural SL Color Chart for color options.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Surface must be profiled, clean, dry, oil free and sound. It is recommended that the perimeter edges of the floor area and doorways be keyed. Please refer to the master Surface Preparation Guide on our website for more information.

MIXING INSTRUCTIONS

POLY-CRETE NATURAL SL is supplied in pre-measured units consisting of one pail of resin, one container of hardener and one bag of aggregate (powder). When using the optional pre-measured pigment packs, mix resin, hardener and pigment for

30 seconds, then slowly add aggregate and mix for 1 additional minute.

APPLICATION METHOD /SPREAD RATES

POLY-CRETE NATURAL SL is applied at 55 square feet per kit using a 1/2" v-notched squeegee, then loop rolled. For the balance of the application follow the Application Instructions for the specific flooring system being applied.

LIMITATIONS

Do not apply at a temperature below 60°F (10°C) or above 85°F (29°C). POLY-CRETE NATURAL SL can be slippery when oily. Do not apply to unreinforced sand cement screeds, asphalt or bitumen substrates, glazed tile or nonporous brick and tile, magnasite, copper, aluminum, polyesters or elastomeric membranes. POLY-CRETE NATURAL SL resin, hardener and pigment packs may not be used as substitute components with other POLY-CRETE products.

STORAGE CONDITIONS

POLY-CRETE NATURAL SL must be stored dry. 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.

PACKAGING

POLY-CRETE NATURAL SL is packaged in pre-measured kits that cover approximately 55 square feet per kit. Pre-measured pigment packs are packaged 10 per box. POLY-CRETE SL Aggregate is packaged in a premeasured 27 lb. bag.

CHEMICAL RESISTANCE

POLY-CRETE NATURAL SL has excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents. Some acids may discolor or bleach the surface.

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TECHNICAL INFORMATION

Cure Time @ 70°F	
Light Traffic	10 hours
Light wheel traffic	16 hours
Full Service	5 days
Heavy Duty Traffic	48 hours
Color	Refer to Poly-Crete Natural SL Color Selector Chart
Mix Ratio (by volume)	3 – 4 Component Kit
Working time @ 70°F	15 minutes
Adhesion to Concrete	> 400 psi, concrete fails before loss of bond
Service Temperature	-100 F to 220 F (live steam)
Physical Property	Test Method Result
Hardness (Shore D)	ASTM D 2240 75-80
Compressive Strength	ASTM C 579 9,000 psi
Tensile Strength	ASTM D 638 2,175 psi ASTM C 307 1,000 psi
Impact Resistance @ 125 mils	MIL D-3134 Pass
Flexural Strength	ASTM D 790 5,076.3 psi ASTM C 580 2,400 psi
Abrasion Resistance CS17 Wheel 1000 GM Load 1,000 Cycles	ASTM D 4060 24 mg loss
Coefficient of Friction Standard Slip-Resistant	ASTM D 2047 (Passes ADA recommendations) >0.6
VOC Content	0 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.

CAUTION

Read, understand and follow Material Safety Data Sheets and Application Instructions of the 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.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

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