ECOGARD® SLT 1020

1mm Self-leveling Epoxy Floor System – Smooth

032-100
Environmentally Friendly / Low VOC Coating

POLYMER INTERNATIONAL

DESCRIPTION

A 1mm thick, medium duty, self-leveling epoxy system finished smooth.

USES

Suitable for medium duty applications in all industries in clean rooms, laboratories, packing areas, assembly areas and light manufacturing areas in pharmaceutical plants, dry food manufacturing plants, wafer fabrication plants, electronics and computer manufacturing.

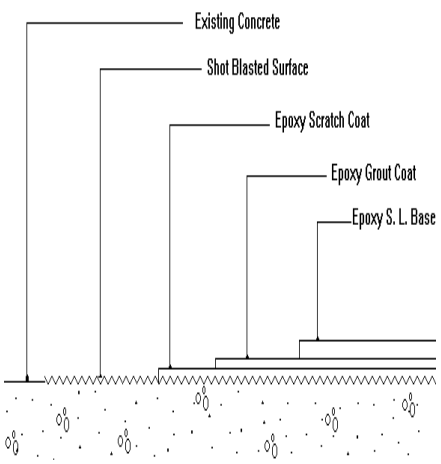
BENEFITS

- Solventless system.
- Chemical resistance.
- High gloss hygienic finish.
- Withstands light forklift traffic.

TECHNICAL DATA

After 7 days cure @ 28°C

Compressive Strength (ASTM C-579)	**9,000psi** (62.1 MPa)	Tensile Strength (ASTM C-307)	**1,800psi** (12.4 MPa)
Flexural Strength (ASTM C-580)	**4,400psi** (30.3 MPa)	Hardness (ASTM D-2240/Shore D)	**84**
Abrasion Resistance (ASTM D-4060, CS-17 Wheel)	**0.1g** max wt. Loss @ 1000g loading	Bond Strength (ASTM D-4541)	**>400psi** (100% concrete failure)
Flexural Modulus Of Elasticity (ASTM C-580)	**5.0 x 10^6psi**	Coefficient Of Expansion (ASTM E-831)	**3.8 x 10^{-5}cm/cm^{0}C**
Temperature Resistance	**60^{0}C** (Continuous Exposure)	Water Absorption	**0.2%**

SYSTEM STRUCTURE	PROCESS	PRODUCT/EQPT	DOSAGE
	Degreasing (if necessary)	Degreaser	Contact Us For More Details
	Shot Blasting	Blastrac 1-10D	
	Epoxy Scratch Coat	EP826 & Filler #4	
	Epoxy Grout Coat	EP826 & Filler #8	
	Epoxy Finishing Coat	EP822 & Filler #6	

NOTE :

***ECOGARD® SLT 1020** should not be applied at floor temperatures below 15°C. Temperatures should not fall below 10°C in the 24 hours after application.*

APPLICATION

SUBSTRATE REQUIREMENTS / PREPARATION

- Concrete floor must be waterproofed and graded to specified levels and falls.
- Concrete floor shall be cured for minimum twenty-one (21) days.
- Chip off all cement droppings and cement overpours.
- Degrease oil/grease contaminants with industrial degreaser.
- Shotblast surfaces to achieve suitable surface profile.
- Remove dust with industrial vacuum prior to application of coating.

APPLICATION PROCEDURES

- Apply Polygard EP826 epoxy scratch coat and allow to dry for a minimum of six (6) hours.
- Apply Polygard EP826 epoxy grout coat and allow to dry for minimum of six (6) hours.
- Sand down surfaces to remove surface imperfections.
- Apply Polygard EP822 epoxy self-leveling finish, thoroughly spike rolled to release entrapped air.
- Allow twenty-four (24) hours drying time before opening to light foot traffic and seven (7) days for chemical service conditions.

SAFETY REQUIREMENTS

Products contain epoxy resin and amines. Do not take internally. May irritate eyes and skin. Protective clothing and gloves are recommended to prevent sensitization to these materials. In case of eye contact, flush with soap and clean water and seek medical attention.

TECHNICAL ASSISTANCE

ECOGARD® SLT 1020 Floor System should be applied by specialist applicators. Technical advice or assistance on suitability of system for specific application and end-user requirements are available from ***POLYMER INTERNATIONAL HOLDING PTE LTD***. Individual Product Data Sheets are available upon request.

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