

ECOGARD® PSL 6021

6mm Self-leveling Hybrid Polyurethane Non-Slip Topping



032-100
Environmentally Friendly /
Low VOC Coating



DESCRIPTION

6mm thick heavy-duty self-leveling hybrid polyurethane floor topping finished non-slip.

USES

Suitable for use on concrete floors in high operating service temperature and constantly wet environment where a hard-wearing and chemical resistant finish is required. Ideal for use in food processing, breweries, slaughterhouses, pharmaceutical, aerospace industries, printing and chemical plants.

BENEFITS

- High operating service temperature up to 120°C.
- Withstands intermittent thermal shocks cycles.
- Excellent for use in wet operating environments.
- Hard wearing matt finish.
- Excellent resistance to chemicals especially acids.

TECHNICAL DATA

After 7 days cure @ 28°C

Compressive Strength.....**9,000 psi**
(ASTM C-579) (62.1 MPa)

Tensile Strength.....**1,305 psi**
(ASTM C-307) (9.0 MPa)

Flexural Strength.....**4,500 psi**
(ASTM C-580) (31.0 MPa)

Hardness.....**85 min**
(ASTM D-2240/Shore D)

Abrasion Resistance.....**50g max wt. Loss**
(ASTM D-4060, CS-17 Wheel) @ 1000g loading

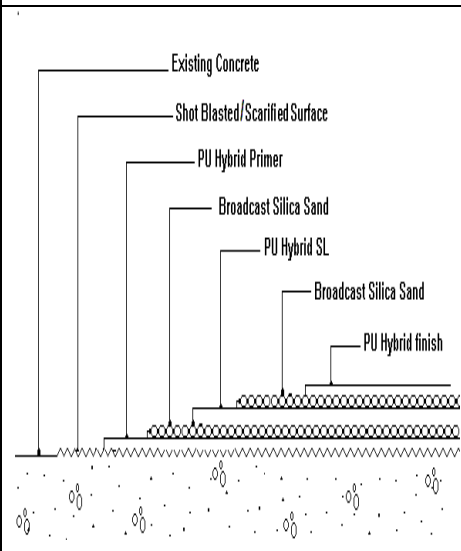
Bond Strength.....**>400psi**
(ASTM D-4541) (100% concrete failure)

Flexural Modulus Of Elasticity.....**5.0 x 10⁶psi**
(ASTM C-469)

Coefficient Of Thermal Expansion..**4.0 x 10⁻⁵cm/cm°C**
(ASTM C-531)

Temperature Resistance.....**120°C**
(Intermittent Exposure)

Water Absorption.....**0.10%**

SYSTEM STRUCTURE	PROCESS	PRODUCT/EQPT	DOSAGE
	Degreasing (if necessary)	Degreaser	Contact Us For More Details
	Scarifying	Shot Blaster/Scarifier	
	Polyurethane Hybrid Primer	PU930	
	Broadcast Silica Sand	Filler #2	
	Polyurethane Hybrid SL	PU935	
	Broadcast Silica Sand	Filler #3	
	Polyurethane Hybrid Finish	PU931	
NOTE : ECOGARD® PSL 6021 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.
- Degrease oil/grease contaminants with industrial degreaser.
- Shot blast surfaces to achieve suitable surface profile.
- Cut 5mm wide anchor groove lines at 5m intervals.

APPLICATION PROCEDURES (APPLY DIRECTLY ON CONCRETE ONLY)

- Apply PU930 polyurethane hybrid primer and broadcast. Allow six (6) hours drying time.
- Apply PU935 polyurethane hybrid SL by using spreader/trowel.
- Broadcast fillers to saturation.
- Apply PU931 polyurethane hybrid finish using roller.
- Allow twenty-four (24) hours drying time prior to opening to foot traffic and seven (7) days prior to chemical service.

SAFETY REQUIREMENTS

Products contain polyols and isocyanates. 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® PSL 6021 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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