

ECOGARD® VDS 2883

2mm Epoxy Vehicular Deck Topping with Aluminum Oxide Non-Slip Finish



032-100
Environmentally Friendly /
Low VOC Coating



DESCRIPTION

A 2mm thick solventless epoxy topping with aluminum oxide non-slip finish.

USES

Suitable for medium to heavy-duty applications at vehicular parking decks, general traffic areas, traffic ramps, traffic aisles and vehicle workshops.

BENEFITS

- Solventless system.
- Chemical resistance.
- Excellent impact resistance.
- Superior abrasion resistance.

TECHNICAL DATA

After 7 days cure @ 28°C			
Compressive Strength.....	8,500psi (ASTM C-579) (58.6 MPa)	Tensile Strength.....	2,000psi (ASTM C-307) (13.8 MPa)
Flexural Strength.....	3,800psi (ASTM C-580) (26.2 MPa)	Hardness.....	82 (ASTM D-2240/Shore D)
Abrasion Resistance.....	76g 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-580)	Coefficient Of Expansion.....	3.2 x 10⁻⁵cm/cm°C (ASTM E-831)
Temperature Resistance.....	60°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 Primer	EP826	
	Broadcast Silica Sand	Filler #3	
	Epoxy Seal Coat	EP826 & Filler #10	
<p>NOTE : <i>ECOGARD® VDS 2883 should not be applied at floor temperatures below 15°C. Temperatures should not fall below 10°C in the 24 hours after application.</i> <i>Extremely porous floor may require additional primer.</i></p>			

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 primer coat.
- Immediately broadcast silica quartz onto wet epoxy primer until saturation. Allow six (6) hours drying time.
- Apply Polygard EP826 as seal coat finish with aluminium oxide and allow to dry for six (6) hours.
- 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® VDS 2883 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 PTE LTD**. Individual Product Data Sheets are available upon request.

The statement provided concerning the materials shown are intended solely as a general guide for material usage and are believed to be true and accurate. Since the manner of use is beyond our control, POLYMER INTERNATIONAL does not make nor does it authorize anyone to make any warranty of merchant ability or fitness for any purpose or any other warranty, guarantee or representation, express or implied, concerning this material except that it conforms to POLYMER INTERNATIONAL product sample. Buyer and user except the product under these conditions and assume the risk of any failure, injury of person or property and loss or liability resulting from the handling, storage or use of the product, whether or not handled, stored or used in accordance with directions or specification. Under no circumstances shall POLYMER INTERNATIONAL be liable for consequential or incidental damages arising from any breach of warranty. In all cases, POLYMER INTERNATIONAL liability is limited, at POLYMER INTERNATIONAL option, to the replacement of goods or their value, proven to be defective in manufacturing.

POLYMER INTERNATIONAL HOLDING PTE LTD
289, Kaki Bukit Ave. 1, Shun Li Industrial Park, Singapore 416079

SINGAPORE	:	Tel: (65) 6749 3113	Fax: (65) 6749 3990	Email: sales@polymer-international.com
SELANGOR	:	Tel: (603) 5121 3388	Fax: (603) 5121 6113	Email: pam@polymer-international.com
JOHOR BAHRU	:	Tel: (607) 358 5755	Fax: (607) 358 4757	Email: paj@polymer-international.com
THAILAND	:	Tel: (66) 85 661 1377	Fax: (662) 905 3319	Email: patt@polymer-international.com
INDONESIA	:	Tel: (62-21) 2928 0744		Email: pai@polymer-international.com
PHILIPPINES	:	Tel: (63) 916 482 2746		Email: patp@polymer-international.com