

ECOGARD® VDS 2991

2mm Polyurethane Vehicular Deck Coating with Silica Quartz - Non-Slip Finish



032-100
Environmentally Friendly /
Low VOC Coating



DESCRIPTION

2mm thick 100% solids polyurethane topping with silica quartz non-slip finish.

USES

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

BENEFITS

- Solventless system.
- Chemical resistance.
- High gloss, hygienic finish.
- Excellent abrasion resistance.

TECHNICAL DATA

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|-------------------------------------|---|-------------------------------|--|
| After 7 days cure @ 28°C | | | |
| Compressive Strength..... | 7,200psi (ASTM C-579) (49.6 MPa) | Tensile Strength..... | 3,000psi (ASTM C-307) (20.7 MPa) |
| Flexural Strength..... | 3,300psi (ASTM D-580) (22.8 MPa) | Hardness..... | 75 (ASTM D-2240/Shore D) |
| Abrasion Resistance..... | 70g max wt. Loss (ASTM D-4060, CS-17 Wheel) @ 1000g loading | Bond Strength..... | >300psi (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..... | 100°C (Continuous Exposure) | Water Absorption..... | 0.1% |

| SYSTEM STRUCTURE | PROCESS | PRODUCT/EQPT | DOSAGE |
|--|---------------------------|----------------|-----------------------------|
| | Degreasing (if necessary) | Degreaser | Contact Us For More Details |
| | Shot Blasting | Blastrac 1-10D | |
| | Primer | EP 824 | |
| | Broadcast Silica Quartz | Filler #3 | |
| | Polyurethane Seal Coat | PU 922 | |
| | Polyurethane Finish Coat | PU 922 | |
| <p>NOTE : ECOGARD® VDS 2991 should not be applied at floor temperatures below 15°C. Temperatures should not fall below 10°C in the 24 hours after application. Extremely porous floor may require additional primer.</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 EP824 primer coat.
- Immediately broadcast silica quartz onto wet primer until saturation.
- Allow four (4) hours drying time.
- Apply Polygard PU922 seal coat finish with silica quartz and allow to dry for four (4) hours.
- Apply Polygard PU922 finish coat.
- Allow eight (8) hours drying time before opening to light foot traffic and seven (7) days for chemical service conditions.

SAFETY REQUIREMENTS

Products contain polyol and polyisocyanate. 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 2991 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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