

# REC FLOOR 8002 SL

**A MEDIUM VISCOSITY, SELF-LEVELLING, ELASTICIZED, ULTRA-HIGH SOLIDS, ALIPHATIC POLYURETHANE FOR INTERIOR AND EXTERIOR SURFACES**

## DESCRIPTION

**REC FLOOR 8002 SL** is a medium- viscosity, self- levelling, elasticized, ultra- high solids, aliphatic polyurethane flooring for interior and exterior sports surfaces. It provides a seamless, durable, UV-stable, and flexible finish with excellent abrasion resistance and long-term performance. Suitable for indoor courts, gymnasiums, and outdoor sports areas.

## PRIMARY APPLICATIONS

Applied to suitably primed asphalt and concrete surfaces. **REC FLOOR 8002 SL** is used for outdoor or indoor highly resilient sport flooring systems for multi-purpose areas including tennis, basketball, volleyball, handball, football, kids' playgrounds etc. The elastic system absorbs shock and reduces impact. Applied using V-Notch Trowels at thicknesses between 1.5 to 2.0 mm thick per layer.

## FEATURES/BENEFITS

- Tough & flexible.
- Excellent appearance.
- Crack bridging capability.
- Excellent flow.
- Thermal & sound isolation characteristics.
- Excellent adhesion.

## TECHNICAL INFORMATION

|                              |                                               |
|------------------------------|-----------------------------------------------|
| Mixing Ratio (By weight)     | 3:1 By weight (A: B) – 75:25                  |
| Comp. A                      | <b>REC FLOOR 8002 SL</b> Beige Comp. A        |
| Comp. B                      | <b>REC FLOOR 8002 SL</b> PU Activator Comp. B |
| Density Comp. A (Kg/ Lt)     | 1.64                                          |
| Density Comp. B (Kg/ Lt)     | 1.13                                          |
| Mixed Density (Kg/ Lt)       | 1.48                                          |
| Volume Solids Comp. A %      | 100                                           |
| Volume Solids Comp. B %      | 90                                            |
| Volume Solids Mixed %        | 97                                            |
| Pot Life after Mixing @ 25°C | 25 – 30                                       |
| Curing                       | 24 Hours                                      |
| Hardness Shore D             | 35 – 40                                       |
| Application Temperature °C   | 10 – 40                                       |
| Color                        | Beige or other on request                     |
| Consumption @ 1.5 mm         | 2.22 Kg/ m <sup>2</sup>                       |
| Thickness Required           | 1.5 to 2.0mm                                  |

### Typical Exterior System on Concrete:

Primer is applied in 1 to 2 layers to ensure no substrate porosity, 24 hours drying @ 25°C

| Layer     | Product                                            | Consumption                                     |
|-----------|----------------------------------------------------|-------------------------------------------------|
| Primer    | <b>REC PRIMER 8002</b>                             | 7 m <sup>2</sup> / Lt @ 50µm DFT                |
| Body Coat | <b>REC FLOOR 8002 SL</b> Beige Comp. A             | 2.22 Kg/ m <sup>2</sup> @ 1.5mm DFT             |
| Top Coat  | <b>REC COAT 8002 SM</b> (2 layers must be applied) | 4.3 m <sup>2</sup> / Lt @ 150µm DFT (Two coats) |

## DIRECTIONS FOR USE

### APPLICATION:

Component A & B are packed in separate containers in pre-measured weight proportions. Component B should be added to Component A while mixing with low revelation mixer of 300 – 600 RPM for 2 minutes. The sides and bottom of the mixture should be incorporated to ensure a homogeneous mix. Once mixed the material should be used within 20 – 30 minutes of mixing at 25°C.

Pour the mixture onto the primed floor and spread using V notch trowel, de-aeration can be further improved by using a spiked roller within the pot-life of the coating.

After allowing to cure for 24 hours the application of finishing coat **REC COAT 8002 SM** can be applied in 2 layers.

### SURFACE PREPARATION:

Substrate pre-treatment always includes the following necessary steps prior to application of a flooring compound:

- New (concrete) substrates must be at least 4 – 6 weeks old.
- Mechanical strength subfloor should be: Compression Strength = 25 MPa; Tensile Strength > 1.5 MPa. Resp. ASTM C39 & C1583.
- The moisture content (CM-method) of the concrete / cementitious subfloor must be < 3 – 4 %, < 0.2% Anhydrite, < 2 – 4 % Magnesite before a floor coating can be applied.
- Cleaning the subfloor, cementitious residues & other by-products (Calcium Carbonate Anhydrite) by (diamond) sanding, shot blasting etc.
- Old resin flooring compounds that adhere well to the substrate need to be cleaned & sanded thoroughly. If there are doubts about their adhesion onto the substrate, adhesion tests should be carried out.
- Chemical residues, grease/oil etc. need to be removed (chemical cleaning, steam, detergents, flame-blasting).
- The substrate needs to be free from any loose /crumbly components. Gaps, cracks, holes etc. must be repaired prior to laying the first coat.
- All dust needs to be removed.
- If there are doubts about adhesion onto a substrate, an adhesion test must be carried out prior to the application.
- Porous and absorbent substrates require the use of a pore primer, to improve surface strength and to reduce capillary action of substrate pores. They also form a moisture barrier and improve inter coats adhesion. Two- component epoxy-based primers & scratch coats etc. are commonly used for this purpose. Their suitability in terms of adhesion and overcoat-ability time however must be tested beforehand.
- Subfloor temperature should be at least 3 degrees above the dew point and not below 10°C.

### CAUTION:

The application must take place in well-ventilated places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap & water. Refer to material safety data sheet for more information.

## PACKAGING

|         |                                               |       |
|---------|-----------------------------------------------|-------|
| Comp. A | <b>REC FLOOR 8002 SL</b> Beige Comp. A        | 15 Kg |
| Comp. B | <b>REC FLOOR 8002 SL</b> PU Activator Comp. B | 5 Kg  |

## STORAGE

12 months in original un-opened containers in dry places at 25°C. no direct sunlight and temperatures above 30°C or below 5°C

## HEALTH & SAFETY

Wear suitable protective clothing, gloves and eye protection equipment during mixing and application. In case of contact with skin, rinse with plenty of water. In case of contact with eyes, immediately rinse with plenty of clean water. Seek medical advice, if needed. Keep out of reach of children.

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RECKON CHEMICALS PRIVATE LIMITED  
21 CCA, BLOCK B, KHAYABAN-E-AMIN, LAHORE  
Tell: +92-42-35452620, +92-42-35230419  
Web: [www.reckonchemicals.com](http://www.reckonchemicals.com)  
Email: [Info@reckonchemicals.com](mailto:Info@reckonchemicals.com)

