

# REBOUND ACE HSA (High Shock Absorption) ARCHITECT SPECIFICATION

## 1. Base Works

For details of base works suitable for **Rebound Ace Sports** installation see separate technical bulletin titled '**Base Construction Specification**' for construction of concrete or asphalt bases.

- 1.1 **Concrete** - New concrete shall be allowed to cure for a minimum of 28 days. The concrete base is to be waterproof. This means that water should not be allowed to enter the concrete base from below or from the side. Special care is needed on slabs installed on 'cut and fill' sites and in areas of high-water table.
- 1.2 **Asphalt** - New asphalt shall be allowed to oxidise for a period of 14-21 days depending on climatic conditions.

## 2. Surface Preparation

### 2.1 Surface Accuracy

Base surface shall be laid to an accuracy of a maximum deviation of 3mm beneath a 3 metre straight edge when measured in any direction.

### 2.2 Concrete

Ensure concrete surface is free from all dust, dirt, grease, etc. Concrete is to be etched with a mixture of 4 parts **Water** to 1 part **Hydrochloric Acid** and washed off thoroughly with fresh water under pressure to ensure removal of all laitance and cement slurry. Concrete is to be thoroughly dry before application of **Rebound Ace HSA**.

### 2.3 Asphalt

Asphalt shall be free from all dust, dirt, grease, etc. If necessary, asphalt shall be cleaned by high pressure water blasting and is to be thoroughly dry before application of **Rebound Ace HSA**.

## 3. Surfacing System

**Rebound Ace HSA** is a water impermeable polyurethane/rubber/acrylic composite surface laid in mats at a nominal total thickness of 5mm.

**Surface composition consists of:**

- 3.1 **Rebound Adhesive 2000** applied by a notched trowel.
- 3.2 A 4mm thick prefabricated polyurethane rubber mat manufactured to Rebound Ace Sports' specifications for **Rebound Ace HSA**.

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- 3.3 Two (2) coats of **Rebound Mat Sealer WB** by trowel to fully seal all pores of the rubber mat and all joints to provide a seamless surface.
- 3.4 Two (2) coats of **Rebound Flexible Filler Coat** applied by a squeegee.
- 3.5 Minimum two coats of **Rebound Ultra Topcoat** applied by a double squeegee or a double broom or a combination of both.

#### 4. **Linemarking**

**Rebound Linemarking AS** applied by brush, free from splatter and 'bleed' marks. Install to relevant sport dimensions specifications. Linemarking colours for various sports are available.

#### 5. **Coverage Rates**

- 5.1 **Rebound Adhesive 2000** applied at a rate of 0.7- 0.9 kg/m<sup>2</sup> [1.3-1.7 lbs/sq.yd.] dependant on the porosity of the surface
- 5.2 **Rebound Mat Sealer WB STD** applied at a rate of 0.3 – 0.5 Lt/m<sup>2</sup> (0.3 – 0.5 kg/m<sup>2</sup>) [0.07 – 0.1 gal/sq.yd. (.6-.9 lbs/sq.yd.)] in two coats.
- 5.3 **Rebound Flexible Filler Coat** applied at a total rate of 0.40 – 0.50 Lt/m<sup>2</sup> (0.60 – 0.75 kg/m<sup>2</sup> for two coats.) [.09 - .11 gal/sq.yd. (1.1 – 1.4 lbs/sq.yd.)]
- 5.4 **Rebound Ultra Topcoat** at a rate of 0.25 - 0.35 Ltr/m<sup>2</sup>/coat (0.4 – 0.6 kg/m<sup>2</sup>/coat [.06 - .08 gal/sq.yd. (.7 – 1.1 lbs/sq.yd./coat)])
- 5.5 **Rebound Linemarking** as required.