

## REBOUND ACE AIR CUSHION (Loose Lay System) ARCHITECT SPECIFICATION

### 1. BASE WORKS

For details of base works see separate technical bulletin 'Base Construction Specification' for standard Concrete or Asphalt.

### 2. SURFACE PREPARATION

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

#### 2.1 Concrete

Ensure concrete surface is free from all dust, dirt, grease, etc. Concrete edges (approx. 150mm wide) or areas to be patched should 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 Air Cushion**. Patch any damaged or low spots with **Rebound Patch Compound**.

#### 2.2 Asphalt

Asphalt shall be free from all dust, dirt, grease, etc. If patching is necessary, asphalt shall be cleaned by high pressure water blasting and is to be thoroughly dry before application of **Rebound Ace Air Cushion**. Patch any damaged or low spots with **Rebound Patch Compound**.

#### 2.3 Existing Acrylic Coated Courts

Water blast clean entire court surface to remove any algae, or dirt build up especially on approx. 150mm edge strip around perimeter of court. Patch any damaged or low spots with **Rebound Patch Compound** after all areas have been cleaned.

### 3. SURFACING SYSTEM

The surface composition consists of:

3.1 A 7mm prefabricated polyurethane rubber mat manufactured to exact tolerance specification for **Rebound Ace Air Cushion**.

3.2 **Rebound Mat Joint Adhesive** to bond mat joints.

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- 3.3 Bonding of court edges primarily using **Rebound Adhesive 2000**.
- 3.4 **Mat Sealer WB STD** – Two coats to fully seal all pores of the rubber mat.
  - 3.4.1 First coat applied by steel trowel
  - 3.4.2 Second coat applied by squeegee
- 3.5 One layer of **Rebound Reinforcing** encapsulated with one coat of **Rebound Tycoat** applied by roller and allowed to cure
- 3.6 Minimum of two coats of **Rebound Flexible Filler Coat** applied by a squeegee.
- 3.7 Minimum of two coats of **Rebound Ultra Topcoat** applied by double broom or double squeegee or a combination of both.

#### 4. LINEMARKING

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

#### 5. SURFACING SYSTEM COVERAGE RATES

- 5.1 **Rebound Mat Joint Adhesive** applied at a rate of 2 sausages per 36m length of join, or 25 sausages per standard court (670m<sup>2</sup>) using 1.5m wide mat or 31 sausages for 1.2m wide mat.
- 5.2 Bonding of court perimeter. **Rebound Adhesive 2000** applied at a rate of 0.6 – 0.7 Kg/m<sup>2</sup> (**1.1 – 1.3 lbs/sq.yd.**)
- 5.3 **1<sup>st</sup> coat Mat Sealer WB STD** (catalysed) applied at a rate of 0.5 – 0.6 lt/m<sup>2</sup> (**.11 - .13 gal/sq.yd.**) (0.5 – 0.6 kg/m<sup>2</sup>) (**.93 – 1.1 lbs/sq.yd.**)  
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**2<sup>nd</sup> coat Mat Sealer WB STD** (catalysed) applied at a rate of 0.2 – 0.3 lt/m<sup>2</sup> (0.25 kg/m<sup>2</sup>) (.93 – 1.1 lbs/sq.yd.)
- 5.4 **Rebound Tycoat** applied at a rate of 0.5 – 0.6 Lt/m<sup>2</sup> (0.5 – 0.6 kg/m<sup>2</sup>) [**.11 - .13 gal/sq.yd.; .93 – 1.1 lbs/sq.yd.**] to encapsulate **Rebound Reinforcing Mat**.
- 5.5 **Rebound Flexible Filler Coat** applied at a rate of 0.3 – 0.4 Lt/m<sup>2</sup> per coat (0.5 - 0.6 kg/m<sup>2</sup>) [**0.07 – 0.09 gal/sq.yd.; .93 – 1.1 lbs/sq.yd**]
- 5.6 **Rebound Ultra Topcoat** applied at a rate 0.20 – 0.25 Lt/m<sup>2</sup> per coat (0.4 kg/m<sup>2</sup>) (**0.04 – 0.6 gal/sq.yd.; 0.63 - .76 lbs/sq.yd.**)