

REBOUND ACE[®] AIR CUSHION

ARCHITECT SPECIFICATION DETAIL

1. BASE WORKS

For details of base works see separate technical bulletins titled 'Dynamic Cushion Base Specification' for stabilised compacted base and '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 Dynamic Cushion Base

Seal DCB with **Rebound DCB Sealer Concentrate** and allow to cure for 24 hrs. Apply one coat **Acrylic Filler Coat** @ 0.6 – 0.65 L/m² using a rubber squeegee and allow to cure for 24 hrs.

Scrape down surface with a steel trowel to dislodge any protruding aggregate and sweep down surface. Patch any damaged or low spots using **Rebound Patch Compound**. Spot sand patched areas to obtain a uniform surface.

Thoroughly clean or vacuum court surface before further applications, remove any dirt, stones, dust. Surface must be dry in preparation for court installation.

2.2 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**.

2.3 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**.

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SURFACE PREPARATION Cont.

2.4 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 Rebound Ace Sports' specification for **Rebound Ace® Air Cushion**.
- 3.2 **Rebound Mat Joint Adhesive** to bond mat joints.
- 3.3 Bonding of court edges primarily using **Rebound Adhesive 2000**.
- 3.4 **Mat Sealer Filled/Standard**- One coat of **Mat Sealer Filled** and one coat of **Mat Sealer Standard**. Both of these are two component waterbased sealers applied by trowel/squeegee to fully seal all pores of the rubber mat.
- 3.5 One layer of **Rebound Reinforcing** encapsulated with one coat of **Rebound Tycoat 8mm** 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 Topcoat** applied by double broom or double squeegee or a combination of both.

4. LINEMARKING

Rebound Linemarking AS applied by brush, roller or spray, free from splatter and overspray. International Tennis Standards Linemarking Specification is for White 50mm width lines. Other colours for various other sports are available.

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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 (670m²) 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/m².
- 5.3 **Rebound Mat Sealer Filled** (catalysed) applied at a rate of 0.5 – 0.6 lt/m² (0.5 – 0.6 kg/m²).
Rebound Mat Sealer Standard (catalysed) applied at a rate of 0.2 – 0.3 lt/m² (0.25 kg/m²).
- 5.4 **Rebound Tycoat 8mm** applied at a rate of 0.5 – 0.6 Lt/m² (0.5 – 0.6 kg/m²) to encapsulate **Rebound Reinforcing Mat**.
- 5.5 **Rebound Flexible Filler Coat** applied at a rate of 0.3 – 0.4 Lt/m² per coat (0.5 – 0.6 kg/m²)
- 5.6 **Rebound Topcoat** applied at a rate 0.20 – 0.25 Lt/m² per coat (0.4 kg/m²)