

## REBOUND PRO CHALLENGE ARCHITECT SPECIFICATION DETAIL

### 1. Base Works

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

- 1.1 **Concrete** - New concrete shall be allowed to cure for a minimum of 28 days
- 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 placed 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 Pro Challenge**.

#### 2.3 Asphalt

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

#### 2.4 Existing Acrylic Sports Surfaces

Existing acrylic coatings should be thoroughly checked for adhesion and film integrity. Remove any loose or suspect coating by scraping, grinding, etc. back to a sound surface. Check adhesion using standard cross hatch adhesion test as per AS1580 Method 408.4. If failure occurs, coating must be removed before applying **Rebound Pro Challenge**.

Thoroughly waterblast surface to remove any dirt, dust, grease, fungus, etc. and allow to dry before applying **Rebound Pro Challenge**. Spot prime bare areas as required with Acrylic Filler Coat. In some instances when a thorough water blasting is not possible, a prime coat of Acrylic Filler Coat should be applied to the entire surface to ensure adequate adhesion of the Liquid Rubber.

### 3. Surfacing System

**Rebound Pro Challenge** is a water impermeable rubber/acrylic/polymer composite surface wet laid insitu to total thickness up to 2mm.

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Surface composition shall consist of:

3.1a **for Concrete**

Two coats of **Concrete Sealer GP** applied by roller, broom or squeegee and allow to cure for 48 hours.

3.1b **for Asphalt**

Apply one coat of **Acrylic Resurfacer** for open surfaces or **Acrylic Filler Coat** for smooth dense surfaces by squeegee and allow a minimum 24 hours to dry. For old asphalt or very boney asphalt apply two (2) coats of **Acrylic Resurfacer**.

**Followed by:**

3.2 A minimum of two layers of **Liquid Rubber Fine** applied to total thickness of 1 to 2mm.

3.3 1-2 coats of **Rebound Flexible Filler Coat** or **Acrylic Filler Coat** applied by squeegee to achieve a smooth finish.

3.4 Minimum two coats of **Rebound Topcoat** applied by squeegee or squeegee/broom.

#### 4. Linemarking

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

#### 5. Coverage Rates

5.1a **Concrete Sealer GP** applied at a rate of approx. 3m<sup>2</sup>/Kg/Coat (approx. 0.33 Kg/m<sup>2</sup>/Coat)

5.1b **Acrylic Resurfacer** applied at 1.5-2.5m<sup>2</sup>/Ltr/Coat (0.4-0.67 Ltr/m<sup>2</sup>/Coat) or **Acrylic Filler Coat** applied at approx. 2m<sup>2</sup>/Ltr/Coat (approx. 0.5 Ltr/m<sup>2</sup>/Coat)

5.2 **Liquid Rubber Fine** applied in two to four coats @ 0.5Lt / M<sup>2</sup> / coat.

5.3 **Acrylic Filler Coat** applied at a rate of approx. 3m<sup>2</sup>/ltr/coat (approx. 0.33 ltr/m<sup>2</sup> /court) OR **Rebound Flexible Filler** (approx. 0.45 - 0.55lt/m<sup>2</sup> per coat).

5.4 **Rebound Topcoat** applied at a rate of approx. 4M<sup>2</sup>/Ltr/coat (approx. 0.5 Ltr/m<sup>2</sup> in 2 coats)

5.5 **Rebound Linemarking** as required

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