

REBOUND PRO INTERNATIONAL 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 International**.

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 Pro International**.

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 International**.

Thoroughly waterblast surface to remove any dirt, dust, grease, fungus, etc. and allow to dry before applying **Rebound Pro International**. 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 International is a water impermeable rubber / acrylic / polymer composite surface wet laid insitu to a nominal total thickness of 2.5 - 3mm.

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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 allowed to cure for 48 hours.

3.1b **for Asphalt**

Apply one coat of **Acrylic Resurfacer** for boney 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 Minimum three layers of **Liquid Rubber Coarse** applied to a total application rate of 1.5 – 1.7 lt/m² (based on undiluted materials)

3.3 Minimum two layers of **Rebound Liquid Rubber Fine** to give a total application rate of 1.08 lt/m² (based on undiluted materials).

3.4 Two coats of **Rebound Flexible Filler Coat** applied by squeegee.

3.5 Minimum two coats of **Rebound Topcoat** applied by squeegee or squee/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 3m²/Kg/Coat (0.33 Kg/m²/Coat)

5.1b **Acrylic Resurfacer** applied at 1.5-2.5 m²/lt/Coat (0.4-0.67 lt/m²/Coat) or **Acrylic Filler Coat** applied at approx. 2m²/Ltr/Coat (approx. 0.5 lt/m²/Coat)

5.2 **Liquid Rubber** applied at a total rate of approx. 2.73 litres per m²

5.3 **Rebound Flexible Filler Coat** applied at a total rate of 0.7 - .8 in two coats.

5.4 **Rebound Topcoat** applied at a rate of approx. 4m²/lt/coat (approx. 0.5 lt/m² in 2 coats)

5.5 **Rebound White Line Marking A.S.** as required