REBOUND PRO CHALLENGE
ARCHITECT SPECIFICATION

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.**

United States: 150 Dascomb Rd., Andover, MA 01810 Phone 978.623.9980
Australia: 30-32 Assembly Drive, Tullamarine, Victoria, Australia, 3043 Phone 1800 786 617 (Toll Free) In Australia: +61 3 9338 9851
Californiasportssurfaces.com www.icpgroup.com

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 applied by brush, roller or spray, free from splatter and overspray. Colours for various sports are available.

5. Coverage Rates

5.1a **Concrete Sealer GP** applied at a rate of approx. 3m²/Kg/Coat (approx. 0.33 Kg/m²/Coat) [1.6 sq.yd/lbs/coat] [0.6 lbs/sq.yd./coat]

5.1b **Acrylic Resurfacer** applied at 1.5-2.5m²/Ltr/Coat (0.4-0.67 Ltr/m²/Coat) [(6.8 – 11.4 sq.yd./gal/coat); 0.09 – 0.15 gal/sq.yd./coat] or **Acrylic Filler Coat** applied at approx. 2m²/Ltr/Coat (approx. 0.5 Ltr/m²/Coat) [.11 gal/sq.yd./coat]

5.2 **Liquid Rubber Fine** applied in two to four coats @ 0.5Lt / M^2 / coat. [.05 gal/sq.yd./coat]

5.3 **Acrylic Filler Coat** applied at a rate of approx. 3m²/ltr/coat (approx. 0.33 ltr/m² /court) [13.6 sq.yd./gal/coat; 0.07 gal/sq.yd./coat] OR **Rebound Flexible Filler** (approx. 0 .45 - 0.55lt/m2 per coat) [0.1 – 0.12 gal/sq.yd./coat]

5.4 **Rebound Topcoat** applied at a rate of approx. 4M²/Ltr/coat [18.2 sq.yd./gal/coat] (approx. 0.5 Ltr/m² in 2 coats) [0.11 gal/sq.yd.]

5.5 **Rebound Linemarking** as required

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