

REBOUND ACE GS8

ARCHITECT SPECIFICATION

1. Base Works

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

- 1.1 **Concrete** New concrete shall be allowed to cure for a minimum of 28 days. The concrete base is to be boxed and poured such that the surface finishing level is a minimum 100mm above surrounding ground level and waterproof. This means that water should not be allowed to enter the concrete base from below or from the side. Special care is needed on slabs installed on 'cut and fill' sites and in areas of high-water table.
- 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 measured 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 thoroughly rinsed with clean water under pressure to ensure removal of all laitance and cement slurry. Concrete must be thoroughly dry before application of Rebound Ace surfaces.
- 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 Ace surfaces.

3. Surfacing System

Rebound Ace GS8 is a water impermeable polyurethane/rubber/acrylic composite surface laid in mats at a minimum total thickness of 8mm.

Surface composition consists of:

- 3.1 **Rebound Adhesive 2000** applied by a notched trowel.
- 3.2 A 7mm thick prefabricated polyurethane rubber mat manufactured to Rebound Ace Sports' specifications for **Rebound Ace GS8**.

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3. Surfacing System (cont'd)

- 3.3 Two coats of **Rebound Mat Sealer WB**, applied by trowel to fully seal all pores of the rubber mat and all joints to provide a seamless surface.
- 3.4 One layer of **Rebound Reinforcing** encapsulated with one coat of **Rebound Tycoat** applied by a squeegee and allowed 24 hours to cure.
- 3.5 Minimum of two coats of **Rebound Flexible Filler Coat** applied by a squeegee.
- 3.6 Minimum two coats of **Rebound Ultra Topcoat** applied by a double squeegee, a double broom or 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. Coverage Rates

- 5.1 **Rebound Adhesive 2000** applied at a rate of 0.7-1.0 kg/m² (1.3 – 1.8 lbs/sq.yd) dependant on the porosity of the surface, eg. Concrete: 0.7 – 0.9 Kg/m² (1.3-1.7 lbs/sq.yd) and Asphalt 0.9 - 1.2 Kg/m² (1.7 – 2.2 lbs/sq.yd.)
- 5.2 **Mat Sealer** applied at a rate of 0.6 - 0.8 Kg/m² (1.1-1.5 lbs/sq.yd) for Mat Sealer PU or 0.3 – 0.5 Lt/m² (0.3 – 0.5 kg/m²) (0.5 – 0.9 lbs/sq.yd) for Rebound Mat Sealer WB in two coats.
- 5.3 **Rebound Tycoat** applied at a rate of 0.5 - 0.6 Ltr/m² (0.5 – 0.6 kg/m²) [0.11 gal/sq.yd. (1.1 – 1.32 lbs/sq.yd)] , to encapsulate **Rebound Reinforcing Mat**.
- 5.4 **Rebound Flexible Filler Coat** applied at a rate of 0.3 - 0.4 Ltr/m²/coat (0.5-0.6 kg/m²) [.07-.09 gal/sq.yd. (1.1-1.32 lbs/sq.yd)]
- 5.5 **Rebound Ultra Topcoat** at a rate of 0.25 Lt/m²/coat (0.4 kg/m²/coat) (.6gal/sq.yd.) .4kg/m²/coat (0.74 lbs/sq.yd./coat)
- 5.6 **Rebound Linemarking** as required.