



REBOUND ADHESIVE 2000 APPLICATION PROCEDURE

Suitable for: Rebound Ace GS, Rebound HSA Club;
Rebound Ace Impact, Rebound Ace® Air Cushion

Description

Rebound Adhesive 2000 is a two component, elastomeric polyurethane adhesive designed for bonding rubber mat to concrete, asphalt or other substrates mentioned under 'Surface Preparation'. **Rebound Adhesive 2000** is a blend of selected polyols, liquid polyurethane based on MDI and polyether polyols. There is no TDI present.

Typical Uses

Rebound Ace Sports Surfaces range of installations and wherever prefabricated rubber mat is to be glued to the substrate.

Surface Preparation

Concrete

New Concrete shall be allowed to cure for a minimum of 28 days. Ensure all concrete surfaces are free from dust, dirt, grease etc. Concrete 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 Adhesive 2000**.

Asphalt

New asphalt shall be allowed to oxidise for a period of 14-21 days, depending on climatic conditions. Asphalt shall be free from 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 Adhesive 2000**.

Existing Acrylic Coated Courts

Coating must be firmly adhered in sound condition. Thoroughly waterblast surface to remove any dirt, dust mould etc. Any areas heavily contaminated with mould or fungus should be treated with a diluted solution of Sodium Hypochlorite (liquid chlorine), scrubbed with a broom, then water blasted clean. Allow to dry thoroughly before application of **Rebound Adhesive 2000**.

Application

Ensure all surfaces are clean by thoroughly sweeping or vacuuming. Surface must be dry. Mix the **Rebound Adhesive 2000** in the ratio of 13.5 Parts A to 3 Part B by weight and stir thoroughly. Adhesive components A and B should be accurately weighed out and thoroughly mixed using a mechanical mixer such as a **Festo RW2E** or **Bebamix**.

Scrape sides and pour into a separate container and remix prior to application to ensure no unmixed material is applied to the job. Apply **Rebound Adhesive 2000** using an approx. 4mm notched trowel. Ensure that adhesive is applied evenly with no lumps, uneven ridges or missed areas.





REBOUND ADHESIVE 2000 APPLICATION PROCEDURE

Application (cont'd)

Pot Life of adhesive mixture is approximately 30 minutes @ 25°C for a 1 Kg mix. Pot Life will decrease at higher temperatures or larger size mix. We recommend a maximum mix size of 16.5Kg for large jobs. Progressively lay mat onto adhesive area taking care not to leave any ripples or bubbles in the mat. This should be done as quickly as possible and within the Pot Life of the adhesive. Take care to lay the mat properly and do not stretch the rubber surface.

The mat surface should be progressively rolled with a 35-45 Kg (80-100 pound) carpet roller or water filled roller, after adhesive has partially set up but before adhesive cures (1-3 hours depending on temperature) to ensure removal of any bubbles or ridges. Bricks may be needed as weights on edges and some parts of joints to prevent the mat from curling up before the adhesive cures. For large jobs eg. tennis courts refer to Technical Bulletin titled '**Rebound Mat Application Procedure**'.

Coverage Rates

The following indicative rates should be used as a guide only. Actual usage will also depend on the porosity and texture of the substrate.

Concrete Substrates 0.7 – 1.0 Kg/m²

Asphalt Substrates 0.8 - 1.0 Kg/m²

Timber Substrates and Existing Acrylic Surfaces approx. 0.8 -1.0 Kg/m² .

Curing Time/Pot Life

Pot Life 30 minutes approximately @ 25°C for a 1 Kg mix. High temperatures accelerate cure, while low temperatures will retard cure.

Curing Time 5 - 6 hours @ 25°C

Clean Up

Clean equipment with Xylene or General Purpose Polyurethane Thinners

Precautions

- use with adequate ventilation
- refer MSDS - contains Isocyanate
- to prolong the Pot Life of the mixed adhesive, on-site storage of the components prior to mixing should be in shaded, cool conditions, away from moisture.

Material Safety Data Sheet (MSDS) available on request.