

## TECHNICAL BULLETIN

# CONCRETE SEALER GP

### Description

**Concrete Sealer GP** is a reactive 2- part (polymer & powder) coating designed for direct application to concrete slabs, including green concrete slabs and provides a strong bond for subsequent application of **Rebound Ace Sports Surfaces**.

### Surface Preparation

#### Concrete Sealer GP as a curing membrane:

Allow the concrete to cure for 12 - 24 hours before application of **Concrete Sealer GP** to eliminate any efflorescence from occurring.

Then allow to cure for 48 hours prior to application of subsequent coatings.

NB: If the concrete curing 12-48 hour window is missed the slab must be allowed to cure the full 28 days.

**Note:** **Concrete Sealer GP** should not be applied over painted surfaces or concrete curing membranes. Completely remove existing paint using paint-stripper, grinding, or other suitable treatment.

**Note:** For slabs not in accordance with Rebound Ace Sports Base Specifications Technical Data sheet, please refer to Rebound Ace Sports Technical staff for recommendations. I.e. for all concrete bases exhibiting poor quality; such as sand/cement screeds with poor surface integrity; concrete surfaces made from coral sand; and/or dusty concrete slabs with high surface laitance

### Mixing

Mixing ratio is **2 parts Powder** to **1 part Liquid** by weight.

Mechanical mixing using a conventional drill with paint stirrer attachment, or for regular use, a Festo type mixer with high performance long shaft mixing blade is recommended, to ensure thorough mixing of the two components. This is important to ensure product can be applied properly.

Remove the two bags of powder from the powder pail. Pour only 11kg liquid into the empty pail. **Slowly** add the 22kg powder (both bags) while stirring and continue to stir until mixture is homogeneous and smooth. Ensure mix is free of all powder lumps before application.

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#### Pot Life

Usable pot life after mixing is 4-6 hours. Mixed material should be discarded after 6 hours even though mixture may still be liquid.

#### Application

**Concrete Sealer GP** should be applied in cool conditions (early morning/late afternoon) to avoid rapid surface drying of the coating. Dampen surface immediately prior to application to prevent rapid curing of coating. Apply by soft rubber squeegee (preferable) or roller at mixed viscosity. In hot conditions, dilute with potable water up to 1 litre water per 33Kg mix.

A minimum of (2) two coats are required. Overcoat time varies from ½ hr to several hours depending on ambient conditions. Overcoating can proceed when the previous coat is touch dry.

#### Curing

**Concrete Sealer GP** should be allowed to cure overnight depending on ambient weather conditions before overcoating with **Rebound Ace Sports Surfaces** systems. This gives the coating time to develop its adhesion and water resistance and reduces the chance of efflorescence occurring.

#### Coverage

Varies depending on substrate roughness and porosity from 0.33 to 0.5kg/m<sup>2</sup>/coat.

#### Pack Sizes

22Kg **Concrete Sealer GP Powder** packed in a 20lt pail.

22Kg **Concrete Sealer GP Liquid** packed in a 20lt pail.

#### Precautions

Do not apply if substrate temperature is below 5°C or if rain is imminent immediately prior to application. **Concrete Sealer GP** is water based and non-flammable.