

## TECHNICAL BULLETIN

### CONCRETE SURFACE PREPARATION APPLICATION PROCEDURE

1. New concrete should be allowed to cure for a minimum of twenty-eight (28) days.
2. Ensure surface is free from all dust, dirt, grease etc.
3. Concrete is to be etched with **Hydrochloric Acid** or **Phosphoric Acid** solution to ensure removal of any laitance and cement slurry by the following method:
  - (a) Acid should be **Hydrochloric Acid** of commercial grade 30-32% strength, or **Phosphoric Acid** of commercial grade 75-85% strength.
  - (b) Dilute prior to use with water:  
Water - 4 parts  
**Hydrochloric or Phosphoric Acid** - 1 part  
Add acid slowly to water while stirring
  - (c) Wet concrete with water and remove excess water leaving concrete damp
  - (d) Apply diluted acid to the surface using a watering can with shower rose nozzle and spread with a broom scrubbing lightly to evenly cover the surface.  
  
Coverage rate: Approx. 1.2m<sup>2</sup>/ltr of diluted acid (approx. 6m<sup>2</sup>/ltr of undiluted acid)
  - (e) Remove spent acid before it dries with fresh water. Wash off thoroughly using a high pressure water cleaner. A minimum 2500 psi is recommended for cleaning. Ensure all cement slurry and laitance is removed.
  - (f) Allow concrete to thoroughly dry before application of the **Rebound Ace Sports Surfaces System**.

### Cracks, Saw Cuts, Expansion Joints

- Joints, Cracks, etc. - "V" out where necessary, prime area with Protek Moisture Seal, allow to dry thoroughly then fill with proprietary polyurethane sealant.
- Hairline Cracks (less than 1mm) - No repair necessary before resurfacing.