

## **SYNPAVE on CONCRETE** With CONCRETE SEALER GP **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 Systems installation, refer to technical bulletin titled '**Base Construction Detail**'.

- 1.1 **Concrete** - New concrete shall be allowed to cure for a minimum of 28 (twenty-eight) days. Ensure no additives or curing compounds are used.

### **2. Surface Preparation**

- 2.1 **Curing**  
New concrete surfaces should cure for a minimum of 28 days before application of acrylic surfacing.

- 2.2 **Cleaning/Acid Etching**  
The surface to be coated must be clean and free from all dirt, dust, grease, diesel and foreign materials.

Etch surface of concrete using a mixture of one (1) part **Hydrochloric Acid** (Muriatic Acid) to three (3) - four (4) parts of water. Allow to react for ten (10) - fifteen (15) minutes until frothing has ceased. Wash off with copious quantities of fresh water and at the same time scrub with stiff broom to remove any loose concrete salts. High pressure water blast the entire surface to remove all laitance, cement residues and reacted 'salts' and apply **Concrete Sealer GP** whilst surface is damp.

- 2.3 **Levelling**  
All court surfaces should be flooded with water and allowed to drain to test for ponding. After twenty (20) minutes, any depressed areas retaining water that covers a twenty (20) cent (AUD) piece are to be filled with **CSS Crete Seal** to provide proper drainage.

### **3. Surfacing System**

- 3.1 **Basecoat**  
Supply and apply two (2) coats of **Concrete Sealer GP** over concrete as per manufacturer's specification.

### 3. Surfacing System (cont'd)

#### 3.2 Topcoats

Supply and apply two (2) coats of **Synpave Topcoat** as per manufacturer's recommendations.

#### 3.3 Typical Material Usage

Based on above application rates the minimum undiluted material quantities for a single colour courts (assume 670 m<sup>2</sup> [804 sq.yd.]) are as follows:

<b>Concrete Sealer GP</b>	:	556 Kg [1226 lbs]
<b>Synpave Topcoat</b>	:	335 litres (560 kg) [1235 lbs; 88 gals]

### 4. Linemarking

**Rebound Linemarking** applied by brush or spray, free from splatter and overspray. Other colours for various sports are available.

### 5. Coverage Rates

Based on undiluted materials.

5.1 **Concrete Sealer GP** applied at approx. 0.83 Kg/m<sup>2</sup> in two coats [1.54 lbs/sq.yd.]

5.2 **Synpave Topcoat** applied at approx. 0.5 Lt/m<sup>2</sup> (0.84 kg/m<sup>2</sup>) in two coats [.11 gal/sq.yd; 1.56 lbs/sq.yd.]

5.3 **Rebound Linemarking** as required

### 6. Precautions

Keep material from freezing.

Store in a cool place - never in hot sun. Clean all equipment with water immediately after use.

Do not allow **Rebound Synpave** to run or drip on adjacent areas. Remove any drips immediately with water before drying occurs, as dried material is difficult to remove with normal solvents and cleaners.