



# PSP4000

## POLYASPARTIC RAPID CURING TECHNOLOGY

### DESCRIPTION

**PSP4000** is a 2k aliphatic, low VOC high performance POLYASPARTIC coating designed as a UV topcoat for polyurea and epoxy systems, or as a rapid dry stand- alone single system over properly prepared substrates. PSP4000 provides maximum non-yellowing colour stability with excellent UV resistance. Available in a range of colours & clear coat.

### USES & ADVANTAGES

**PSP4000** is ideal for areas that require rapid return to service providing exceptional abrasion, chemical, and UV resistance. It is suitable as flooring in light to severe industrial and commercial applications, domestic garages and driveways. Providing resistance to most chemicals, abrasion, and corrosion. **PSP4000**, utilising clear over colour can be used for the traditional colour vinyl flake or chip floor system.

### FEATURES

- High Solids
- Rapid Return to Service
- Aliphatic (Highly UV Stable)
- Excellent chemical resistance
- Excellent abrasion and impact resistance
- Excellent adhesion to most substrates
- Low VOC
- Low temperature application (down to -10°C)

### LIQUID PROPERTIES

MIX RATIO	1:1 (By Volume)
VOLUME SOLIDS	95%
KIT SIZES AVAILABLE	20 Litre & 8 Litre
COVERAGE RATE @ 100um DFT	5m <sup>2</sup> /mixed litre
MINIMUM RECOAT	2 hours
MAXIMUM RECOAT	24 hours
TACK FREE	1-2 hours
FOOT TRAFFIC (with care)	3-5 hours
RETURN TO SERVICE	24 hours
FINAL CURE	7 Days

### SURFACE PREPARATION

Substrates should be thoroughly sanded or grinded to provide a keyed surface. If applying over existing coatings adhesion should be tested by preparation of a small test area. Remove all potential contaminants. On new concrete surfaces it is best to diamond grind the surface. Old surfaces are best diamond ground, but it is possible to etch and clean the surface. New concrete must be cured for a minimum of 28 days prior to application.

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### MIXING & APPLICATION

Ensure **PSP4000** Part A is mixed thoroughly prior to use. The mixing ratio for **PSP4000** is 1:1 by volume; graduated plastic mixing cups are recommended for measuring volumetric quantities. It is not typically recommended to mix more than 6L of material for 10 minutes of rolling or squeegeeing. Part B is to be added to Part A and mixed at low speed with a Jiffy style mechanical mixer. Care should be taken to minimize air introduced during mixing. Mix until a smooth & uniform emulsion is formed. This should take approximately 1.5 minutes. Each 10-minute mixing batch should be mixed in a new container. Once the material cures, it can be removed, and these containers may be re-used. Mixed material should be poured out in ribbons across the area to be rolled. A 270mm microfibre 5mm NAP roller cover is recommended. The roller should be rolled dry every 10-18m<sup>2</sup> to prevent the roller becoming tacky and increase the roller's life. Do not excessively overwork the coating. It is important to back-roll to ensure even application and to break any bubbles than may have formed from pinholes. Replace roller cover every 50-90m<sup>2</sup>. Ideally 2 coats are required to achieve ultimate result. To achieve a non-slip finish, colour chip or flake floor, refer to Crest Cormix technical personnel. **PSP4000** can also be sprayed using Plural Reactor/ Fusion Gun. This type of application requires skilled applicator and specialised equipment. Please consult CREST CORMIX for advice.

### PRECAUTIONS

Mixed material should be dispersed or poured out quickly and not left as a bulk volume in mixing container. Avoid application, where moisture or condensation can form on uncured coating.

### CLEANING

Acetone or Xylene can used for cleaning equipment immediately after use.

### STORAGE & HANDLING PRECAUTIONS

Shelf Life is 12 mths (at maximum temp 25°C)

### HEALTH & SAFETY ADVICE

Refer to Crest Cormix Pty Ltd for **PSP4000** safety data sheets for individual components of this material. Avoid skin & eye contact. Wear rubber gloves and safety goggles. Hands should be cleaned with cleaner followed by soap & water. Avoid breathing vapours & use with adequate ventilation. Contain Isocyanates.

**Manufactured in Australia by;**

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