

## **HPM-Synpave**

Non slip sport and recreational surfaces coating

### **APPLICATION PROCEDURE**

**HPM-Synpave** is a pre-mixed, pre coloured water based, slip-resistant UV stable coating with excellent performance against wear and weathering, therefore providing a rejuvenated fresh and safe surface coating that is suitable for internal and external use.

**HPM-Synpave** has excellent hot tyre resistance and forms a hard-wearing finish.

#### **Life Expectancy**

The life expectancy of **HPM-Synpave** when well maintained will naturally depend on the volume of traffic and degree of abuse sustained. In residential situations for foot traffic only, indicative life expectancy is up to seven (7) years or more.

When recoating is required, provided the coating is still in sound condition, thorough cleaning is sufficient preparation prior to recoating.

#### **Coverage**

For maximum wear resistance apply each coat of **HPM-Synpave** at a rate of 3 to 4m<sup>2</sup> per litre.

#### **Application**

**HPM-Synpave** is pre-mixed and ready to use. Ensure that the product is mixed thoroughly to an even smooth consistency before use.

Apply evenly with a medium nap roller or squeegee followed immediately by light finishing (laying off) with a broom or brush. For best results the second coat and any subsequent coat should be finished at right angle to the previous coat.

A squeegee finish will generally give maximum results.

Two (2) coats minimum should be applied allowing a minimum of 2 hours drying time between coats in good drying conditions (min.10°C and max.70% relative humidity, no rain). During cold, wet or humid weather additional time between coats should be allowed.

Allow to cure minimum 4 hours before foot traffic or 2 days before vehicle traffic in good drying conditions (min.10°C and max.70% relative humidity, no rain).

Clean equipment with water immediately after each coat is applied while the material is still wet.

#### **Applications**

**HPM-Synpave** is recommended for both commercial and residential use. Most common applications include car parks, rooftops, driveways, walkways, playgrounds and similar areas around domestic, municipal, educational and commercial buildings. It is also suitable for stair treads, decks, balconies, ramps and is easily repaired or recoated after thorough cleaning.

#### **Slip Resistance (CSIRO)**

HPM-Synpave applied according to this bulletin meets the Australian Standard AS/NZS 4586:2013 Slip Resistance of New Pedestrian Surface Materials Wet Pendulum P5 Classification (High) and Oil Wet Ramp result R13

## **Surface Preparation and Priming:**

**HPM-Synpave** can be used on most common flooring surfaces such as: concrete, asphalt, timber, timber decking, cement sheeting, plywood and most metals and steel.

Listed below is the surface preparation that may be required for each surface.

All surfaces need to be clean from any contamination such as oils, grease, foreign matter and loose impediments. A small test area is recommended to prior to commencement.

### **Timber**

Timber should be cleaned, lightly sanded for optimum adhesion and then HPM-Synpave applied directly in two (2) coats.

### **Asphalt**

High pressure water blast and remove all foreign matter.

If the test area shows a primer may be required, Acrylic Filler Coat can be used to fill any voids or bony areas. Apply as per the product technical data sheet.

### **Concrete**

New concrete should be allowed to cure for twenty-eight (28) days prior to coating.

It is strongly recommended that acid etching or sufficient sanding, scabbling or grinding is undertaken to remove surface contaminants, concrete laitance etc. Dust encapsulation equipment is recommended.

Thoroughly clean the concrete and remove all dirt, dust, grease, oil, paint and other contaminants.

Bonding HPM-Synpave over concrete is generally of a very high standard.

On areas subject to hydrostatic moisture, apply HPM-HYDROSTOP (refer separate Technical Data Sheet) in 2 coats at the rate of 3 litres per m<sup>2</sup> per coat. The second coat can be applied when the first coat is dry. Allow minimum 24 hours in good drying conditions prior to coating with **HPM-Synpave**.

### **Steel and Metals**

Steel should be cleaned and primed with a metal primer, Allow minimum 8 hours drying in good drying conditions.

### **Existing Coatings**

Remove any loose chalking or flaking particles, existing paving paints must be sanded cleaned prior to applying **HPM-Synpave**.

### **Restrictions**

Do not apply if temperature is below 12°C or is expected to drop below 12°C within 4 hours.

Do not apply on exterior surfaces if rain or dew is expected within 4 hours.

Do not apply in direct sunlight when surface temperatures exceed 35°C.

### **Additional Clear Top Coats:**

(Note: applying a clear coating over HPM-Synpave will reduce slip resistance properties)

### **Maintenance Recommendations:**

Maintaining the appearance of HPM-Synpave requires minimal but regular attention to the surface, generally sweeping debris off the surface with a broom and hosing.

**To help ensure maximum life from this product we offer the following practical advice:**

**Dirt Contamination**

The level of dirt contamination from wind blown or water carried sources will vary depending on the site position and surrounding environment. We recommend that any localised dirt contamination be broomed or washed off the surface as it occurs. In situations where wind blown dust/dirt is an ongoing problem, then regular washing down of the surface on a monthly basis, would be recommended. Using a good quality industrial type detergent diluted with clean water and broomed over the wet surface, will improve the effectiveness of the hosing/washing down of the surface.

**Food/Drink Contamination**

Immediate washing of the surface is recommended using the same cleaning methods suggested for dirt contamination.

Solvent based cleaners must not be used on **HPM-Synpave** .

Scouring type products (Ajax powder/liquid cleaners or similar) are not recommended for use on **HPM-Synpave** .

**Bird/Wildlife Contamination**

This can usually be removed by weak detergent solutions, a brush or broom and plenty of water.

**Shoe 'Sole' Staining/Rub Marks**

When `black' rub marks are put on the surface by the soles of footwear or car tyres, they can be removed generally with a detergent solution and brush. Some rubber types are quite difficult to remove when they are fresh, weathering will usually allow their removal sometime later.

**Grease/Oil Stains**

Detergent solutions are the recommended method. It may require several applications to remove grease/oil contamination. Thoroughly wash down the surface after the application of the detergent solution.

**Important:** The information, and the recommendations relating to the application/s and end use of Aldridge Corporation Products, are given in good faith based on current knowledge and experience of the products when properly stored, handled, and applied in normal conditions. In practice , the differences in substrates, materials and actual site conditions are such that no warranty in respect of the merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. Users should always refer to the most recent ssue of the Australian version of the Technical Bulletin for the product concerned, copies of which are supplied on request.

PLEASE CONSULT TECHNICAL DEPARTMENT FOR PRODUCT RECOMMENDATIONS AND ADVICE. PRE-TESTING OF SUBSTRATES IS RECOMMENDED TO ENSURE PERFORMANCE OF PRODUCT UNDER ALL CONDITIONS.