



## **600G – SPARTA100** **POLYASPARTIC**

### **DESCRIPTION**

All Purpose Coatings Polyaspartic is a two-component, aliphatic polyaspartic coating system with UV properties. This product is colourless as supplied.

- UV resistance for superior gloss retention.
- Mix Ratio 1:1
- Low Viscosity
- Good abrasion resistance
- High Gloss Level
- Solids 90%
- High Tensile Strength
- Fast Cure allowing rapid turnaround time
- Low VOC's
- Ambient Application Temperature range: 2°C to 40°C
- In – Service Temperature range: -15°C to +90°C

### **RECOMMENDATIONS**

All Purpose Coatings Polyaspartic is recommended as a topcoat over epoxy coatings to protect the epoxy from the effects of UV. It is also suitable for prepared concrete, plywood and steel surfaces as a protective coating system. It forms a waterproof membrane. APC Polyaspartic is specifically formulated to be installed in thin film applications.

### **AREAS OF USE**

Domestic, commercial and industrial floors

Restaurant Floors

Warehouses

Factories

Food processing operations

Cold storage area floors

Chemical plants

Garage Floors

### **SURFACE PREPERATION**

Remove all loose, crumbly and drummy areas to obtain a sound surface, diamond grind to expose firmly held aggregate. Ensure that surfaces are free of dust, oil and grease. Previous coatings should be tested or removed. Surface must be dry before application of product.

### **COMPONENT MIXING**

Part A and Part B should be stirred individually before combining. Use a slow speed drill fitted with a flat blade type mixer. Mix well without aerating the component liquids.



**MIXING OF SYSTEM COMPONENTS:** It is recommended to adjust each Component's temperature to 15 - 25°C prior to mixing. DO NOT mix more material than can be used within 30 minutes.

Add equal Parts by Volume 1:1 of each Component of (A & B) to a clean and dry bucket. ii. Mix with a slow speed 'paddle type' powered mixer until a homogeneous mixture is obtained (at least 3 minutes). DO NOT aerate the product when mixing as this may result in pinholes / blisters in applied coating or shorten the Pot Life of the mixed product. Use care to scrape the sides of the mixing container to ensure that no unmixed material remains.

## APPLICATION

\*This product should only be applied by an experience installer.

All Purpose Coatings Polyaspartic can be applied with a roller, brush or by high pressure spray. APC Polyaspartic should be applied at a minimum film thickness of nominally 130 microns, a nominal application rate of 0.20 litres per m<sup>2</sup>. It should be noted that the heavier the application, the longer the curing process takes. Apply APC Polyaspartic evenly over the entire area to be coated. Caution should be taken in the applied product. NOTE: Use caution in relation to quantity of each batch mix size, application time and thickness of application.

## CURING TIMES

At nominally 20°C and 50% relative humidity, allow each coat to cure for a minimum of 3 to 4 hours between coats. The pot life will be directly affected by the relative humidity. Allow a minimum of 6 hours before permitting light pedestrian traffic. Allow at least 24 to 48 hours depending on the atmospheric [ie.curing] conditions, before permitting heavy pedestrian or auto traffic on the finished surface.

Higher temperatures and/or high humidity will accelerate the cure time. Low temperatures and/or low humidity will extend the cure time. Uncured APC Polyaspartic is very sensitive to heat / moisture and surface marking.

## USAGE RATE

Minimum Recommended Application Coverage Rate 300 microns DFT [Dry Film Thickness] 0.40 litres per square metre total. Apply in 2 x coats @ 0.20 litres/m<sup>2</sup>/coat depending on the porosity and profile of the surface being coated.

**NOTE:** The application thickness is directly related to the requirements of where the product is being applied. In high wear areas or when aggregate is to be added additional application thickness is required

## SPECIFICATIONS

Pot Life @ 24°C/50%RH 30-40 minutes

Cured Film Hardness 65 ±2 Shore D [ASTM D – 2240]

Tear Resistance \* 400 ± 50 pli [Die C – ASTM D-624]

Tensile Strength\* 3000 ± 200 psi [ASTM D-412]

Ultimate Elongation 100 ± 20% [ASTM D-142]

Specific Gravity Part A = 1.13 Part B = 1.05

Total Solids by Weight 90 ± 2%

Viscosity at 24°C Part A = 600 ± 200 cPs, Part B = 1100 ± 300 cPs

Volatile Organic Compounds 12 gms / litre [ASTM D-2369-81]

# ALLPURPOSE COATINGS



(07) 3703 2609

Unit 12 / 10 Boron Street  
Sumner Park QLD 4074

[www.allpurposecoatings.com.au](http://www.allpurposecoatings.com.au)

**CLEAN UP** Equipment should be cleaned immediately after use with an environmentally safe solvent, as permitted under local regulations.

## **STORAGE / SHELF LIFE**

The All Purpose Coatings Polyaspartic Components have a shelf life of one (1) year from date of manufacture in original, factory sealed containers when stored in a normal factory/warehouse environment at 15°C to 35°C. Do not store near sources of or external walls subject to heat or cold.

## **PRECAUTIONS / LIMITATIONS**

Mix no more material than can be used within 20-30 minutes. Surfaces must be dry, clean and free of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Coated surface may be slippery when wet. Containers that have been opened must be used as soon as possible. Do not use where rising damp is an issue.

## **IMPORTANT NOTICE:**

Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact the Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

## **PRODUCT DISCLAIMER:**

This Technical Data Sheet (TDS) summarises to the best of our knowledge the product, including how to use and apply the product based on the information available at the time.

You should read this TDS carefully and consider the information in the context of how you will apply the product, including if it is being used in conjunction with any other products, the type of surfaces and the manner in which the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. All Purpose Coatings does not accept any liability either directly or indirectly for any losses suffered that arises from the use or application of the product