

# DATA SHEET

## SPARTA 60

POLYASPARTIC 60  
UV PROTECTIVE TOP COAT



### DESCRIPTION

Designed, formulated and manufactured by All Purpose Coatings, Sparta60 is a two-component fast cure, fast return to service coating system with UV resistant and protectant properties. It is specifically designed for use in a wide range of domestic, commercial and heavy industrial environments where a long-term flooring solution is desired or required. Sparta60 exhibits excellent chemical and wear resistance.

### PRODUCT INFORMATION

<b>Mix Ratio</b>	(1:1) 1 Part SPA60 Part A : 1 Part SPA60 Part B
<b>Coverage</b>	3-8m <sup>2</sup> /L depending on the system, application, and porosity of the surface.
<b>Dry Film Thickness</b>	100 - 250 µm depending on the system, and application.
<b>Shelf Life</b>	12 months in the original sealed container. 3 months once opened. Store in a cool, dry area and out of direct sunlight.
<b>Clean Up</b>	Clean tools with 150 Epoxy Thinners while still wet and discard rollers and brushes.
<b>Cure Times</b>	<b>Pot Life:</b> 45 Minutes <b>Work Time:</b> 30 Minutes <b>Thin Tack Free:</b> 4 Hours <b>Thin Shore Hard:</b> 24 Hours <b>Max Recoat Time:</b> 24 Hours without sanding
<b>Return to Service</b>	<b>Light Foot Traffic:</b> 6 Hours <b>Vehicle Traffic:</b> 24 Hours <b>Full Chemical Cure:</b> 7 Days
<b>Maintenance</b>	Refer to APC Clean and Care guide.
<b>Testing Information</b>	Cure times completed at 25°C in a 100g container or at 200µm.

### RECOMMENDED USES

- Top coat over most EPO100 Epoxy Systems
- Outdoor areas
- Domestic, commercial and industrial floors
- Restaurant floors
- Warehouses and factories
- Food processing operations
- Cold storage area floors
- Garage floors

### FEATURES & BENEFITS

- UV Resistant and protectant
- Easy mix ratio of 1:1
- Extra low viscosity
- Good abrasion resistance
- High gloss level
- High tensile strength
- Fast Cure
- Wide application temperature range
- In-Service temperature range: -15°C to 90°C
- Extended pot life
- Australian made
- Able to be tinted

### ENVIRONMENTAL CONDITIONS

Temperature and the surrounding atmospheric conditions will play a part in the curing process. Attention needs to be paid to the substrate temperature which must be above 0°C. The ideal humidity is less than 60%. Do not apply if the substrate is subject to rain or moisture within 12 hours during the curing time and do not use where rising damp is an issue.

Industry standards recommend the accurate recording of times and dates, batch numbers, consumption rates, and environmental conditions including the substrate and air temperatures, humidity levels, and dew point readings during both the application and curing process. Full material warranties cannot be provided unless all the relevant data has been recorded accurately.



Refer to individual SDS and Installation Instructions for system specifications and recommended PPE.

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### SURFACE PREPARATION

- Ensure the concrete is sufficiently cured to the recommended minimum of 28 days from completion.
- Diamond grind or Polyvac the substrate. The surfaces must be clean, dry, and free from all traces of loose material, old coatings, curing compounds, release agents, laitance, oil, and grease, etc. This must be completed by diamond grinding or a suitable cleaning method.
- To check that all traces of oil and other contaminants have been completely removed, sprinkle a few drops of water over the surface. If all water is quickly absorbed, the surface is sufficiently oil and grease-free.
- If water forms into globules that remain on the surface, further thorough treatment of the substrate is necessary.
- Substrate compression strength should be at least 25MPa, cohesive bond strength at least 1.5MPa, and moisture content below 4%.
- Repair and fill cracks with EPO100EP Epoxy Putty or Concrete Repair Kit.

**The surface must be dry before the application of the product.  
Acid or wet etching is not recommended.**

### PRODUCT APPLICATION

Surfaces must be dry, clean, and free of foreign matter. All Purpose Coatings Sparta60 can be applied with a roller, brush, or by low-pressure spray. Sparta60 should be applied at a maximum area of 6-8m<sup>2</sup>/L.

Part A and B should be gently shaken or stirred individually before combining. It is recommended that the temperature of each component is between 15-25°C for optimal pot and working time. Do not mix more product than can be applied in 30 minutes.

Add equal parts by volume (1:1) to a clean dry bucket. Mix slowly with a paddle type powered mixer until a homogenous mixture is obtained. This should take approximately 2 minutes. Use care to ensure all product on the sides and bottom of the mixing container are combined thoroughly. For system-specific instructions, consult the All Purpose Coatings Installation Instructions documentation, located on the website.

**It is recommended to read the Installation Instructions on APC Systems prior to the application.**

### CAUTIONS

- Caution should be taken in relation to the quantity of each batch mix size, application time and thickness of application. Larger mixes can cure substantially faster.
- Equipment should be cleaned immediately after use with 150T Epoxy Thinners.
- The clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.
- Containers that have been opened must be used as soon as possible.
- Do not use where rising damp is an issue. Rising damp may hinder Sparta 60's adhesion.
- **Maximum recoat time is 24 hours. If 24 hours is exceeded sand the existing coat prior to recoating.**
- Avoid moisture exposure for the first 12 hours after application.
- All Solvents, corrosives and spills should be cleaned up as soon as possible.



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*PHYSICAL PROPERTIES*

<b>Solids Content</b>	>60%	<b>Cured Film Hardness</b>	ASTM D2240:65 ±2 Shore D
<b>Hardness</b>	Pencil-2H	<b>Volatile Organic Compounds</b>	AP-T002: Very High
	Pendulum-160	<b>Water Absorption (%)</b>	ASTM D570: 0.5
<b>Tensile Strength (psi)</b>	ASTM D412: 6,500	<b>Impact Resistance</b>	AS 1580.406.1: High
<b>Tear Resistance</b>	ASTM D624:400 ± 50 pli	<b>QUV Weather Meter, 4,000 hours</b>	Oxidation: no effect
<b>Tensile Strength</b>	ASTM D412:3000 ± 200 psi		Loss of Gloss: no effect
<b>Ultimate Elongation</b>	ASTM D142:100 ± 20%		Blistering: no effect
<b>Elongation</b>	ASTM D412:100 ± 20%		Yellowing: no effect
<b>Taber Abrasion Resistance</b>	AS/NZS 1580.403.2-2006: ~500mg loss (mg of loss/1000 cycles) H022 Wheel; 1000 grams weight.		

**Properties were checked on dry films at 0.127 to 0.152mm (5- 6mils) thick, air dried for 7 days.**

In an emergency, contact the Poisons Information Centre on 13 11 26 or a doctor for advice.

**IF THE SITUATION IS LIFE THREATENING, DIAL 000 IMMEDIATELY.**

**DISCLAIMER:** Please ensure you read the SDS & TDS thoroughly & carefully before the use or application of any All Purpose Coatings product. These documents contain information in context to how you will apply the product, including if it is being used in conjunction with any other products or systems, and to what surface the product will be applied. All-Purpose Coatings Pty Ltd does not accept any liability either directly or indirectly for any losses that arise from the use or application of the product in accordance with any advice, specification & recommendation given by the companies' documentation or representatives at any point in time. Application, performance & safety data may change from time to time. It is the user and/or applicators' responsibility to ensure they have the latest copy of any documentation pertaining to their project.

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