

DATA SHEET

SPARTA60

Polyaspartic 60



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.

Recommended Uses

- Top Coat over Ultra Flake Systems
- Top Coat over Hyper Flake Systems
- Top Coat over EPO100 Epoxy Systems
- Can be applied as a base coat provided the environmental factors are correct.
- Outdoors
- Domestic, Commercial and Industrial Floors
- Restaurant Floors
- Warehouses
- Factories
- Food Processing Operations
- Cold Storage Area Floors
- Chemical Plants
- Garage Floors

Features & Benefits

- UV Resistance - Superior Gloss Retention
- Mix Ratio 1:1
- Low Viscosity
- Good Abrasion Resistance
- High Gloss Level
- High Tensile Strength
- Fast Cure - Allowing Rapid Turnaround Time
- Ambient Application Temperature Range: 2°C to 40°C
- In-Service Temperature Range: -15°C to 90°C
- Extended Pot Life

Product Information

Pot Life	30-40 minutes at 15-20°C
Shelf Life	1 year. Store in a cool, dry area out of direct sunlight.
Mixing Ratio	(1:1) 1 parts SPA60A: 1 parts SPA60H
Coverage	4-6m ² /L over Ultra Flake System
Return to Service	Light Foot Traffic: 6 hours after completion of the job. Vehicle Traffic: 24 hours after the completion of the job.
Recoat Time	4 hours
Maximum Recoat Time	24 hours

Physical Properties

Hardness	Pencil-2H Pendulum-160	Volatile Organic Compounds	ASTM D23698: Very High
Impact Resistance	High	Specific Gravity (grams)	ASTM D792: 1.0
Tensile Strength (psi)	ASTM D412: 6,500	Water Absorption (%)	ASTM D570: 0.5
Cured Film Hardness	ASTM D2240: 65 ±2 Shore D	Water Vapour Transmission	ASTM E-96
Tear Resistance	ASTM D624: 400 ± 50 pli	Rate of Transmission, grains/h ft²	0.58
Tensile Strength	ASTM D412: 3000 ± 200 psi	Permeance (perm, in-lb)	1.39
Ultimate Elongation	ASTM D142: 100 ± 20%	QUV Weather Meter, 4,000 hours	Oxidation: no effect Loss of Gloss: no effect Blistering: no effect Yellowing: no effect
Specific Gravity	Part A 1.13 Part B 1.05	Properties were checked on dry films at 0.127 to 0.152mm (5-6ml) thick, air dried for 7 days.	
Viscosity at 24°C	Part A 600 ± 200 cPs Part B 1100 ± 300 cPs		
Elongation	ASTM D412: 100 ± 20%		
Taber Abrasion Resistance	ASTM D4060: 1g loss (mg of loss/1000 cycles) CS17 Wheel; 1000 grams weight		

DATA SHEET

SPARTA60

Polyaspartic 60



ALL PURPOSE COATINGS

Surface Preparation

Surfaces must be clean, dry and free from all traces of loose material, old coatings, curing compounds, release agents, laitance, oil and greases etc. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa and with moisture content below 4%.

Structurally unsound layers and surface contaminants must be mechanically removed by grinding or other methods. Substrates heavily impregnated with oil must be cleaned by grinding or suitable solvent cleaning methods. To check that all traces of oil 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. Surface must be dry before application of 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 minimum film thickness of minimum 5m²/L.

Part A and B should be stirred individually before combining. Use a slow speed drill fitted with a flat blade type mixer. Mix thoroughly without aerating or whipping the product. It is recommended that each components temperature 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 3 minutes. Use care to ensure all product on the sides and bottom of the mixing container are combined thoroughly.

It should be noted that the heavier the application, the longer the curing process takes.

Cautions

- **This product should only be applied by an experienced applicator.**
- 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 150 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.
- **Maximum recoat time is 24 hours. If 24 hours is exceeded sand the existing coat prior to.**
- Avoid moisture exposure for the first 12 hours after application as this may cause discolouration to the finished outcome.
- **All fuel spills must be cleaned up within 24 hours.**

*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.