

## DESCRIPTION

**Polyaspartic PS60™** is a 62% solid, aliphatic non-yellowing, heavy-duty, two-pack polyaspartic coating system. Polyaspartic PS60™ can be used as a topcoat, stand-alone coat, or as binder for non-skid surfaces in residential, commercial, and industrial environments. It is designed to cure fast to achieve a fast return to service where down time is a critical factor. Polyaspartic PS60™ is also used as a one-day system for driveways, protective floor coating, and decorative finishes like flake floor systems as a topcoat. The products unique features and benefits are exceptional UV resistance and high gloss finish, brilliant water & chemical resistance, excellent high durability, excellent abrasion, and impact resistance, joint less, easy, and fast to apply, and easy to clean and maintain.

## FEATURES & ADVANTAGES

- UV stable and non-yellowing
- Available in Gloss
- Fast cure
- Excellent wear resistance
- High durability
- Excellent water & chemical resistance
- Extreme abrasion resistance
- Extraordinary resilience
- Retards growth of mould, fungus, mildew, and bacteria
- Perfect for heavy-duty environments
- Solvent free
- Easy to apply, clean & maintain

## RECOMMENDED USE

- Bars, Pubs & Taverns
- Warehouses & Driveways
- Butcher Shops and Commercial Kitchens
- Food Processing Plants & Grocery Stores
- Schools, Stadiums & Hallways
- Showrooms, Garages and Workshops
- Lobbies, Lounges, Nightclubs & Foyers
- Salons, Retail Stores and Wineries
- Shopping Centres and Retail Flooring
- Museums, Office Buildings & Galleries
- Restaurants & Lunchrooms
- Veterinary Clinics, Zoos & more...

## TECHNICAL DATA & CHARACTERISTICS

APPEARANCE	Liquid
COLOUR	Clear/Gloss
VOLUME SOLIDS	62 %
FINISH	Gloss
COVERAGE*	8 – 10m <sup>2</sup>
MIX RATIO	1 : 1 (1 Part A to 1 Part B) by Volume
PACK SIZES	20L Kit / 10L Polyaspartic PS60™ Part A and 10L Hardener Part B
SPECIFIC GRAVITY	Part A 1.0 kg/L   Part B 1.0 kg/L
POT LIFE**	40 – 90 minutes
DRYING TIME**	Touch Dry 2 – 6 hours @ 25°C
RECOAT TIME**	4 – 16 hours @ 25°C
FULL CURE**	Light Foot Traffic 6 – 12 hours, Vehicular Traffic 24 – 26 hours, Chemicals 48 hours at 25°C
SHELF LIFE	12 months, if properly stored in original sealed, unopened containers at temperatures between 10° C and 30°C and away from sunlight.

\*Coverage is dependent on porosity of surface and application methods.

\*\* The pot life, recoat and drying times generally depend on air circulation, temperature, humidity, film thickness, and application methods.

The figures given above are typical with good ventilation, typical film thickness and single coat application.

**SURFACE PREPARATION**

All surface preparations must be carried out to Australian Standard or International Standard. New concrete must be cured for a minimum of 28 days before a coating.

Concrete moisture test should be carried out prior to coating application as per Standard ASTM4263 and/ or International Standard. The moisture content should be less than 4%.

Surface to be treated must be structurally sound and the substrate compressive strength should be at least 25MPa. The substrate tensile strength should be at least 1.5N/mm<sup>2</sup>. All non-structural cracks, holes and surface deformities should be repaired.

In general, the surface to be treated **MUST** be clean and free of all traces of loose material, dirt, debris, mildew, oil, grease, old coatings, curing compounds, release agents, laitance, dust, and other contaminants.

All new or old concrete surfaces should be prepared by mechanical grinding, abrasive blasting, blast tracking, or any other suitable preparation/cleaning methods. Surface profile should exceed CSP 3 after preparation. Check if all traces of oil and other contaminations has been completely removed prior coating application.

For more detailed information, see following standard codes of practice, guides, and techniques:

ASTM D4258 Standard practice for surface cleaning concrete for coating

ASTM D4259 Practice for abrading concrete

ASTM D4260 Practice for liquid and gelled acid etching of concrete

ASTM D4262 Test method for pH of chemically cleaned or etched concrete surfaces

ASTM D4263 Test method indicating moisture in concrete by the plastic sheet method

ASTM D4285 Test method for indicating oil or water compresses air

**APPLICATION & GUIDELINES****Mixing Clear/Gloss Version**

First thoroughly shake the Polyaspartic PS60™ Part A and Part B prior to opening. Mix Polyaspartic PS60™ (1 Part A) with Polyaspartic PS60™ Hardener (1 Part B). The mix ratio is 1:1 by volume. Always add Part B into Part A and make sure you add Part B slowly while mixing Part A. To ensure thorough mixing, use a mechanical mixer on low speed for 2 minutes, avoiding aeration, and make sure to combine all the product on the sides and bottom of the mixing container. Mix only as much product as you can apply within 40 minutes and consider the air circulation, temperature, humidity conditions for pot life and application time.

**Application**

*Epoxy Floors and Flaked Floors:* Two coats as minimum recommended at 8-10m<sup>2</sup>/L per coat.

*Concrete/Grind & Seal:* Always prime concrete surface before the first coat to prevent pin holing and to minimise sink-back of material. Prime coat with approximately 8-10m<sup>2</sup>/L, check for pinholes and do a 2nd prime coat if necessary. For your prime coat on concrete add 20% solvent SLP100™ for dilution, by volume per mixed litre. For your basecoat use product without dilution. Two coats as minimum recommended at 8-10m<sup>2</sup>/L per coat.

Dispose of all mixed leftover materials properly. Do NOT pour any unused mixed materials back into the original container. Use a lint free epoxy roller to apply the product. The second coat must be applied within 16 hours of the application of the first coat to ensure the second coat will bite into the first coat. If 16 hours has been exceeded, the first coat must be sanded thoroughly prior to application of the second coat to assure a sound adhesion between coats.

**Thinning**

Up to 5% Wet Edge Extender WT900™ can be added in hot weather to slow drying.

Thinning is not usually required. If desired, in general up to 5% Solvent SLP100™ if necessary to improve flow and levelling, extend working time and minimise bubbling.

**Curing Times**

Pot Life: 40-90 minutes, Touch Dry: 2-6 hours, Re- Coat Time: 4-16 hours, Light Foot Traffic 12-14 hours, Vehicular Traffic 24-26 hours, Chemicals 48 hours at 25°C.

Allow coating to cure for at least 12 hours before subjecting to light pedestrian traffic and at least 24 hours for vehicular traffic. The pot life, recoat and drying times generally depend on air circulation, temperature, humidity, film thickness, and application methods. The figures given above are typical with good ventilation, typical film thickness and single coat application. All curing times mentioned in this TDS are based on temperatures of 25°C. Lower temperatures will extend curing times and higher temperatures will shorten curing times. If the temperature in your region is 12.5°C, all curing times will double. DCC does not recommend polyaspartic application when temperatures are below 2°C.

**Cleaning**

Clean all equipment immediately after use with Solvent SLP100™.

**Coating Maintenance**

In general dirt, dust, contaminants, and excessive wear and tear will shorten the life of coating. Keep these areas clean and free from such pollutants and avoid excessive wear and tear. Clean coating regularly with warm mild detergent water up to 60°C and rinse with clean water. Do not use abrasive brushes, scouring pads or solvent to clean the coated surface. It is advisable if abnormal wear and tear will occur through moving furniture such as office chairs, keep these areas protected with a protective mat. Refer to DCC Maintenance & Cleaning Guide for detailed information.

**Compatibility & Suitability**

Do NOT mix this product or use this product in combination with any other products or brands. Due to the differences in substrates, material and site conditions, and environmental surrounds, the applicator holds whole responsibility for checking the products suitability for its intended purpose prior application. Only products of the same brand/system should be used in combination as a system.

**PRECAUTIONS**

For professional use only. Safety Data Sheets and Technical Data Sheets must be read before opening and using this product. Keep out of reach of children. Always wear personal protective equipment (PPE) when handling this product. Keep away from heat and flame including cigarette smoking. Ensure adequate ventilation during usage of product and the use of a suitable respirator is advised.

If poisoning occurs, contact a Doctor or the Poisons Information Centre Australia 13 11 26, New Zealand 0800 764 766. **For detailed safety information refer to safety data sheet (SDS).**

Do not apply if the air or surface temperature is below 5°C, or if the temperature is likely to drop below 5°C during applying, or after application, within the curing time. Do not apply if relative humidity is above 85%, or when the surface and/or ambient temperature is <3°C above the dewpoint.

Do not apply if substrate is subject to hydrostatic pressure or rising dampness.

Do not apply if surface is subjected to unusual high temperatures above ambient temperature.

Do not apply if the surface temperature is over 30°C, or if the surface temperature is subject to raise above 30°C during applying, or after application within the curing time, or if relative humidity is suspected to become above 85%.

Do not apply if substrate is subject to rain or moisture and protect surface at least 24 hours against any water impact, or moisture after application within the curing time. Do not use any product past its pot life. Store locked up, in a cool, dry, well-ventilated place, away from sunlight, between 10°C and 30°C. Keep container tightly closed.

**DISCLAIMER**

Do not apply this product if there is uncertainty about its application or surface preparation. This Technical Data Sheet is to be used as a guide only; it is NOT a specification. Durable Concrete Coatings Pty Ltd has no control over the use or storage of this product and therefore does not accept liability in this regard. Any verbal advice given should not be regarded as authoritative information. This information is subject to change without notice; therefore, all applicators should ensure they have current information. This product is intended for the use only of skilled tradesman and where applicable, statutory licensed tradesmen experienced and trained in the use of this product. Due to differences in substrates, application methods and local conditions purchasers of these products must ensure that it is suitable for their specific application before using these products. While the information contained in the TDS and SDS is accurate to the best of our knowledge, Durable Concrete Coatings Pty Ltd cannot guarantee that the information contained is wholly comprehensive. Subject to the provisions of the Trade Practices Act, the company's liability in relation to defective products shall be limited to replacement of the product, if the product is proven to be defective. All Durable Concrete Coatings Pty Ltd terms and conditions apply.

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