

FASTLINE POLYASPARTIC 100

Rapid cure, solvent free polyaspartic floor coating and marking.

A two-component pigmented high gloss, self-smoothing, solvent free polyaspartic marking for interior and exterior surface offering rapid return to service and outstanding durability.

Intended Uses:

FASTLINE Polyaspartic 100 has been formulated as a topcoat on suitably prepared and primed concrete / metal surfaces. It provides a self-smooth, high-quality appearance, applied in high film builds of up to 0.5mm in 1 layer, while still achieve excellent performance at low thickness of 0.30 mm.

It is extremely durable, providing a long-term marking solution in high traffic and heavy wear areas. The high gloss finish provides easy to clean markings across its lifetime. Ideal for internal and external markings. It has no odour, a quick cure even at low temperatures (down to -5°) minimizing downtime.

The final product is resistant to heavy traffic typically found in factory or warehouse environments. The toughness of the coating at thin film thickness provides a film highly resistant to tyre marking, chipping and mechanical damage making re-painting less constant.

A slip resistant finish can be achieved for use in areas such as walkways, pedestrian crossings etc. for increased safety.

Properties:

- UV stable & non-yellowing
- Water and chemical resistant
- No-odour.
- High gloss finish
- Rapid curing and return to service.
- Long term durability
- Easy to clean markings.
- Minimum downtime
- Resistant to hot tyre pick up
- High temperature resistant up to 150° incidental heat contact

Technical Data:

Colour	Various
Finish	High gloss
Volume Solids	100%
Mix Ratio (Volume)	4 part(s) base : 1 part(s) activator by volume
Activator	FASTLINE 100 Activator
Typical Film Thickness	300 to 500um DFT per coat
Theoretical Coverage	2 m ² / Litre @ 500µm DFT
Method of Application	Brush, roller, or airless spray
Number of Coats	1 by spray or 2 by roller
Pot Life	20 minutes @ 25°C
Minimum Re-Coat Time	120 min @ 25°C
Maximum Re-Coat Time	24 hours @ 25°C
Walk on time	120 minutes
Traffic Time	3 Hours @ 25°C

* Can be overcoated after it has become tack free. If the over coating window has been exceeded the substrate must be thoroughly sanded prior to re-coating.

Road & Line Marking

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Systems & Compatibility:

Consult a Specialized Coating Systems technical representative for specific coating system solutions.

Surface Preparation:

All surfaces to be coated must be dry, clean, and free from contamination or previous coatings and sealers which may impede adhesion. Always check the surface for any bond inhibitors prior to application. Do not use Alcohol to clean or tack substrate or previous coat prior to application. Any repairs must be addressed prior to application and should be repaired in accordance with manufacturer's instructions.

Concrete & Cement surfaces

Including power float, tamped or brushed concrete, monoblocs and pavers. Ensure surface is sound, clean, and free of laitance. It is recommended to grind or abrasive blast clean to ensure surface is properly prepared.

Any presence of dust, loose material, soiling, or previous coatings are likely to reduce the performance of new coatings.

New concrete should be left to hardness before coating, a minimum of 25mpa is recommended. Surfaces must be free of moisture (typically below 4%)

Recommended rapid cure primers on cementitious surfaces:

PLASTIFORM EPOXY Primer or 1K PU Primer SB or 1K PU Primer SF. After application of the primer, the surface should be well sealed and free of pinholes prior to top coating, if not a second coat of primer should be applied. Application of fine silica sand into the wet primer will assist in reducing the formulation of pinholes / blow holes.

Surface defects revealed by the blast cleaning process should be ground, filled and treated in the appropriate manner. Surfaces to be painted must be dry (Water Free)

Application:

Mixing	Material is supplied in two containers as a kit. Always mix a complete kit in the quantities supplied. Once mixed the product should be used within the pot life specified. Due to the fast curing nature of this paint, make sure all surfaces and equipment are prepared and taped out and ready for application immediately after mixing. Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform. Continue stirring and add the entire contents of the activator container. Continue stirring until the mixture is homogeneous. Care must be taken not to entrain air bubbles during the mixing process. Ensure that sufficient material be mixed so that the product can be applied within its use-able life. The temperature of the mixed product should preferably be above 10°C. Higher temperatures result in and faster cure. Colder temperatures reduce the flow characteristics. If non-slip additive is to be incorporated, it should be done after mixing part A and B. Do not mix below the dew point, which will shorten the pot life. If product is too viscous (thick) to work with PU thinner can be added (Water Free)	
Mix Ratio	4 part(s) base : 1 part(s) activator by volume	
Pot Life	30 minutes @ 25°C	
Brush	Recommended	High quality brushes only

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Roller	Recommended	Sponge or synthetic short nap roller
Airless Spray	Recommended	Tip Range 17 – 31 Thou. Pressure at the tip should not be less than 150 bar (2176 PSI)
Thinner	PU Thinner	Temperature can be used to control viscosity alternatively 0 – 20% can be added to reduce viscosity.
Cleaner	MEK	For dry paint & equipment
Work Stoppage	Do not allow material to remain in spray equipment after use, thoroughly flush and clean all equipment with Solvent XL or MEK , do not use alcohols. Once the kit has been mixed, they should not be re-sealed and it is advised that of prolonged stoppages, work recommences with freshly mixed units.	
Clean Up	Clean all equipment immediately after use with PU Thinner or MEK , do not use Alcohols. It is advisable to periodically flush out spraying equipment during the course of the working day. Frequency of cleaning is dependant of upon the amount sprayed, temperature and elapsed time. Work strictly in accordance with the specified pot life of the material.	

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	No lower limit
Maximum	45°C*	45°C	85%

* High temperatures result in reduced sag resistance and faster cure.

Limitations:

- Requires a dry substrate and should not be applied to substrates with high levels of moisture vapour transmission.
- The product must be used within the short pot life specified.
- Overcoating times must be strictly adhered to, failing to do so will result in intercoat delamination.
- This product will dry extremely fast in humid conditions.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Specialized Coating Systems representative for specific recommendations.
- Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this data sheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

Pack Size:

5 Litre Kit

Storage:

- Shelf Life: 12 months minimum at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.
- Maintaining a consistent storage temperature prior to application will maximize working time.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.

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