

PLASTIFORM® Epoxy Primer Rapid Cure

SOLVENT FREE **2K**

Description:

A two component, solvent free, clear amber epoxy primer designed for rapid curing & superior bonding performance.

Intended Uses:

PLASTIFORM® Epoxy Primer Rapid Cure has been developed specifically for demanding preformed thermoplastic road marking & playground applications and is suitable for use on asphalt, concrete, stone and tiles.

Its advanced formulation delivers reliable adhesion while providing an effective moisture barrier, ensuring long-term durability across a wide range of challenging substrates. Its fast-curing technology accelerates project completion by minimizing downtime, while its robust bonding capability helps prevent premature failures on non-bituminous or moisture-prone surfaces.

The primer's ease of application by brush or roller makes it practical and efficient on site, while its versatility ensures consistent performance across diverse environments — from highways, intersections, pedestrian crossings & walkways to airports, industrial floors, playgrounds and other high-traffic zones.

Features & Benefits:

- Rapid Cure Technology – The fast-curing properties significantly reduce waiting times.
- Exceptional Adhesion – Provides a strong bond for preformed thermoplastic markings on non-bituminous & challenging surfaces.
- Moisture Barrier Protection – Acts as an effective barrier against rising moisture.
- Easy To Apply – Brush or roller ensures simple consistent coverage.

Certifications:

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Technical Data:

Product Physical Form	Liquid	
Binder Type	Modified epoxy	
Colour	Clear amber	
Appearance	Smooth gloss	
Comp. A	Name:	PLASTIFORM® Epoxy Primer Rapid Cure Clear (Comp. A)
	Density (Kg/ Litre):	1.14 ± 0.05
	Pack Size:	600 ml
Comp. B	Name:	PLASTIFORM® Epoxy Primer Rapid Cure (Comp. B)
	Density (Kg / Litre):	1.08 ± 0.05
	Pack Size:	400 ml
Mixed	Density (Kg/ Litre):	TBC ± 0.05
	Volume Solids:	100%
	Mixing Ratio (Volume):	3 : 2 (Comp. A : Comp. B)
	Viscosity (Seconds):	115 ± 10
	Pack Size:	1 Litre

TRAFFIC MARKINGS: PRIMERS

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

Diluent	Supplied ready for use (Do not thin)
Recommended WFT	100 – 300µm (Wet Film Thickness)
Recommended DFT	100 – 300µm (Dry Film Thickness)
Spreading Rate	3.3 – 10 m ² / Litre per coat, allowance should be made for site application losses & surface profile
Number of Coats	1
Method of Application	Brush or roller
Storage	Store out of direct sunlight in dry conditions between 15°C and 25 °C
Shelf Life	12 months when stored as recommended in original un-opened containers

Important Information:

- Always consider a test patch to check suitability & adhesion.
- Always consult with technical department if unsure.
- Technical & application data herein is for the purpose of establishing a general guideline of the coating application procedure.
- 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 & verification of the performance and use of the coating.
- Always check weather forecast before painting. Do not paint if rain fall is imminent as it will negatively affect the ability of the product to cure and bond to the surface.

Surface Preparation:

In general, the following guidelines for preparation should be adhered to. Always consult for a detailed specification.

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats, and other contaminants.
- Oil can be removed using **Hydrosolve Degreaser**.
- Fungal growth or algae can be removed using **Fungicidal Wash**.
- Laitance and loose particles must be removed thoroughly i.e., grinding /high pressure cleaning.
- Moisture content of concrete surfaces should not exceed 4%.

Bituminous / Asphalt:

Premature application to newly laid surfaces can impact the performance & quality of the product. Newly laid bituminous/asphalt surfaces need to cure for 4 – 6 weeks prior to applying a coating system. Existing chemical additives on the surface of new bituminous/asphalt surfaces such as flux oils & oleiferous separating agents for steel rollers will be detrimental to the adhesion of subsequent coats and can cause discolouration. A test piece should always be applied, and if any negative results are obtained, the surface should be allowed to weather for an additional 1 to 2 weeks.

Bituminous/asphalt surfaces must be thoroughly swept prior to ensure the removal of all dirt, dust, and contaminants that could compromise the adhesion and performance of the marking system.

Concrete / Cement / Paving:

Premature application to newly laid surfaces can impact the performance & quality of the product. Newly laid concrete surfaces need to cure for 4 – 6 weeks prior to applying a coating system. This will provide enough time for excess moisture to leave the substrate & allow excess alkalinity to leach out which can cause blistering, delamination or premature failure of the coating. A test piece should always be applied, and if any negative results are obtained, the surface should be allowed to weather for an additional 1 to 2 weeks.

Surface components that impair adhesion, such as fine mortar layers, concrete slurries & curing compounds must be removed by suitable mechanical methods such as high-pressure cleaning, grinding or blast cleaning. All dust must be removed properly using an industrial vacuum cleaner.

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The moisture content (CM-method) of the concrete / cementitious subfloor must be: < 3 – 4 %, < 0.2% Anhydrite, < 2 – 4 % Magnesite before primer can be applied.

The mechanical strength of the subfloor should be: Compression Strength $\geq$ 25 MPa; Tensile Strength > 1.5 MPa. Resp. ASTM C39 & C1583.

Concrete, cement or paving surfaces must be prepared by grinding prior to primer application.

Application:

Mixing	Stir well with a flat-bottomed paddle or mechanical mixer for a few minutes		
Mix Ratio	3 : 2 (Comp. A : Comp. B)		
Pot Life @ 20°C	10 min		
Application Tools	Brush or roller		
Application	Spray Application		
	Spreading Rate	3.3 – 10 m²/ Litre per coat, allowance should be made for site application losses & surface profile	
	Recommended WFT (per coat)	Min 100µm	Max 300µm
	Recommended DFT (per coat)	Min 100µm	Max 300µm
	Number of Coats	1	
	Extra Information: -		
Diluent	Supplied ready for use (Do not thin)		
Clean Up	Clean all equipment immediately after use with SA65 Thinner .		

Application Environment:			
	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	10°C	No lower limit
Maximum	45°C	40°C	85%

* Or 3°C above dew point.

Drying & Overcoating Information:	
Touch Dry	TBC @ 23°C
Overcoating Time	TBC @ 23°C
Hard Dry	TBC @ 23°C
Full Cure	TBC @ 23°C
Extra Information	-

Systems:

Consult with Specialized Coating System for application specific recommendations.

Safety Information:

- Refer to product SDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection & skin protection.
- Apply in well-ventilated areas

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