

AEROPRIME® Dust Fixing & Concrete Primer SB

SOLVENT BASED

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Description:

A solvent based, clear, rapid drying low viscosity primer based on a special blend of flexibilized methacrylate polymers.

Intended Uses:

AEROPRIME® Dust Fixing & Concrete Primer SB is a high-performance primer designed to penetrate and bind dust particles on asphalt, concrete, paving, curbs or brick surfaces and creates a stable base for the improved adhesion of subsequent road marking paints. This product works well on roads where dust is problematic and cannot be effectively swept away or where constant dust is landing on the surface (e.g., roads near construction sites, deserts, very dry landscapes & townships).

In no way is this product a substitution for good surface preparation. Standard procedures for surface preparation apply.

When used in combination with water based or solvent based road marking systems, it helps to extend the lifetime of the system by creating a moisture barrier between the paint and the road surface, preventing water ingress and delamination.

Features & Benefits:

- Provides an adhesive surface for water based & solvent based road marking systems.
- Creates a moisture barrier, lengthening the lifetime of the paint system.
- Fast drying.
- Provides adhesion for road marking paints on dusty road surfaces.

Certifications:

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Technical Data:

Product Physical Form	Aerosol
Colour	Clear
Appearance	Smooth matt
Recommended WFT	150 – 200µm per coat
Recommended DFT	19 – 26 µm per coat
Typical Spreading Rate	TBC – TBC m ² / Can
Number of Coats	1 – 2 coats
Method of Application	Aerosol
Pack Size	500 ml (12 x cans per carton)
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.

AEROSOLS: AEROPRIME®

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

- 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:

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 the application of a marking system to ensure the removal of all dirt, dust, and contaminants that could compromise the adhesion and performance of the marking system.

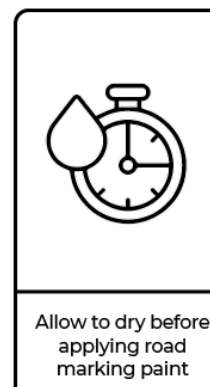
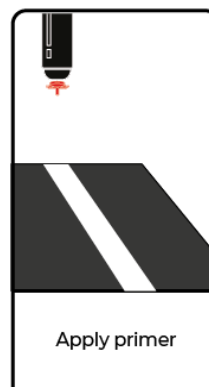
Concrete / Cement / Paving:

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. The moisture content (CM-method) of the concrete / cementitious subfloor must be: < 3 – 4 %, < 0.2% Anhydrite, < 2 – 4 % Magnesite before markings 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 should always be primed prior to the application of a marking system. Ensure that the surface is completely wetted with primer to ensure optimal adhesion of the road paint. The consumption of the primer depends entirely on the porosity of the concrete. The primer should have sufficient time for the water/solvent to evaporate prior to final application of the road paint which is generally around 30 minutes @ 25°C. Generally, once the primed surface is no longer sticky to the touch it is ideal for the application of road paint.

Application:



AEROSOLS: AEROPRIME®

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

Drying & Overcoating Information	
Touch Dry	10 min @ 25°C
Overcoating Time	30 min @ 25°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 and skin protection.
- Apply in well-ventilated areas.