

**BERGER**

PRODUCT SPECIFICATIONS

WATER BASED UNIVERSAL PRIMER

Water-Based Primer / Sealer

PRODUCT DESCRIPTION

A single component Acrylic water based universal Primer.

DESIGN FEATURES

Good spreading and substrate wetting properties
Excellent adhesion on concrete, steel, galvanized iron, Aluminium & wooden substrate
Good anticorrosive performance
Suitable for over coating with Water based Enamel and other water based finishes

PHYSICAL CHARACTERISTICS

Recommended Application Data		Wet [μm]	Dry [μm]	m ² /l
Theoretical Coverage		120	50	8.4
Volume solids	42%	(based on ASTM D2697)		
VOC, gms per Litre	25			
Dry Film Thickness Range	40 μm to 60 μm			
Flash Point	>38° C			
Finish	Matt			
Colour Range	White			
Standard Packing Size	5 litres			

APPLICATION METHOD

BRUSH OR ROLLER	Recommended method of application.
CONVENTIONAL AIR SPRAY	May be used. Dilution may be required to achieve good atomisation
AIRLESS SPRAY	May be used. Tip size : 0.53 – 0.68 mm (21 – 27 thou) Pressure : 200 –240 kg/cm ² (2800 – 3400 psi)

DRYING TIME

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Minimum	Maximum
15 °C	1 hour	3 hours	8 hours	Indefinite
25 °C	30 minutes	2 hours	6 hours	Indefinite
35 °C	15 minutes	1 hour	3 hours	Indefinite

USEFUL INFORMATION

THINNER	: Water
CLEANER	: Water
STORAGE	: Store in a cool dry shaded area.



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SURFACE PREPARATION

The service life span and the service performance of Water based Universal Primer are directly related to the degree of surface preparation.

STEEL

- Remove all wax, oil and grease by solvent cleaning in accordance to guidelines given by SSPC-SP1.
- Dry brushing to remove soluble salts, dirt and dust.
- Freshwater jetting is required to remove all loose contaminants and soluble salt deposition.
- Remove scale by chipping, needle gun or spot blasting. Any loose or flaking coatings should be taken back to a firm edge.
- Mechanically clean the surface using hand or power tools to a minimum standard of St 2 (ISO 8501-1:1988) or SSPC-SP2 taking care to avoid polishing the surface.
- Where necessary removes weld spatter and round off all rough weld seams and sharp edges to a smooth surface.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3°C above Dew Point

ALUMINIUM & GALVANIZED IRON

- Wipe the surface using suitable solvent to remove oil, grease, dirt & dust etc.
- Dry properly before application of Primer. In case of any residual contaminants paint may show de-wetting or fish eye defect.

WOOD & CONCRETE

- Ensure the surface is dry and clean from surface contaminants.

SUITABLE FINISH COATS	Berger Water based Enamel, Berger Weathercoat 345, Berger Weatherflex 500, Berger Wallcare, Berger Vinyl Silk & Berger Select.
NOTES	<ul style="list-style-type: none">• The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.• Exposure to very low temperature, high humidity or water ponding during and / or immediately after application may result in incomplete cure and/or discolouration that may compromise subsequent intercoat adhesion.

SAFETY PRECAUTION

Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.

This product contains low flash point solvents, do not use in poorly ventilated areas especially in confined tank interiors.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.

Take precautionary measures against static discharge.

In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

FIRST AID

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

DISCLAIMER

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.