

PRODUCT SPECIFICATIONS

Product Description

A single component Acrylic water based universal Primer.

Design Feature

- 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	140	60	7

Volume Solids	:	42 % (based on ASTM D2697)
VOC, gms per Litre	:	25
Dry Film Thickness Range	:	25-35 μm
Flash Point	:	>38 °C
Finish	:	Low Sheen
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 & Curing Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Min.	Max.
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.
SHELF LIFE AT 25 °C	:	12 months minimum when stored as prescribed in the MSDS.

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

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

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)**

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.

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