



PRODUCT SPECIFICATIONS

Product Description

WB METAL PRIMER is a water based anti-corrosive primer formulated with advanced flash rust inhibitors to provide a high performance alternative to solvent based metal primers. This fast drying coating delivers exceptional protection against moisture, and UV exposure. Its non-flammable, low-VOC formulation makes it ideal for confined spaces and areas where solvent-based coatings are unsuitable. Available in White, Black, Charcoal, Grey

- Features**
- 100% water born acrylic - environmentally friendly.
 - Non-flammable with low VOC content.
 - Superior durability and UV resistance.
 - Formulated with flash rust inhibitors

Uses

Designed to protect steel and other metals in interior and exterior environments, including structural steel, fabricated steelwork, plant and equipment, and architectural metalwork. Also suitable for galvanised steel, aluminium, zinc-alum, powder-coated metals, masonry and timber.

* For applications outside these listed uses, please contact our technical team for specific advice and product suitability assessment.

Physical Characteristics

Application Data	Wet [µm]	Dry [µm]	m ² /l
Theoretical Coverage	140-165	50-60	6-7

Theoretical coverage rate: 6-7 m²/L at 50µm dry film thickness. Practical coverage will vary depending on application method, and environmental conditions.

Finish : Matt
Colour : White, Black, Charcoal, and Grey

Components : One
Volume solids : 40%
Density : 1.32 g/cc
Thinning : Water (5% max)
No of Coats : 1-2
Clean up : Water
Standard Packing Size : 200L, 15L, 4L

Application Conditions

Air Temperature : 10°C to 40°C
Surface Temperature : 10°C to 40°C
Relative Humidity : Maximum 85%

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Application Method

AIRLESS SPRAY	:	Tip Size	:	0.012–0.017 inch (12–17 thou)
Recommended method of application		Pressure	:	1800 - 2500 psi
CONVENTIONAL AIR SPRAY	:	May be used Fluid tip 1.4–1.8 mm.		
BRUSH OR ROLLER	:	May be used, Additional coats may be required to achieve the recommended film thickness.		

Drying & Curing Time

Temperature	Touch Dry	Hard Dry	Full Cure	Overcoating	
				Min.	Max.
25 °C	20-30 Min	4-6 Hours	7 Days	2-4 hours	Indefinite

* These values are provided as a general guide. Site conditions including ambient temperature, relative humidity, air circulation, applied film thickness, and any product modification will impact actual drying rates.

Surface Preparation

General Requirements: All surfaces must be clean, dry and sound, and free of oil, grease, dirt, dust, salts, loose rust and any other contamination that could affect adhesion. The better the preparation, the better the coating performs.

Steel: Remove oil and grease, then remove rust, mill scale and any loose or old coating. For bare or rusted steel, abrasive blasting gives the best result; power tool cleaning is the minimum where blasting isn't practical. Galvanised steel, aluminium and zinc-alum: degrease and lightly abrade to provide a key.

Application

Mix the paint thoroughly using a power mixer until the contents are completely uniform. The product is supplied ready for use; a maximum of 5% water may be added to aid application if required. Remix periodically during use, especially if the product has been standing.

Spray application, by airless or conventional air spray, gives the best and most even finish. Brush or roller is suitable for smaller areas and touch-ups, though additional coats may be needed to reach the recommended film thickness.

Apply at the recommended film thickness of 140–165 microns wet (50–60 microns dry) per coat, and apply one to two coats to build the required dry film thickness, allowing each coat to dry before recoating. Do not over-apply. A coat laid on too heavily will skin over on the surface while water remains trapped underneath, which greatly slows drying and can leave the film soft for an extended period. Several thin, even coats dry faster and perform better than one heavy coat.

Apply only when air and surface temperatures are between 10°C and 40°C, the surface is at least 3°C above the dew point, and relative humidity is below 85%. Do not apply if rain is imminent. In cold or humid conditions drying is slower, and heavy steel sections that hold the cold (particularly overnight) can slow it further and risk condensation forming on the surface, so allow extra time and coat during the warmer part of the day where possible. Maintain a wet edge during application for a uniform finish.

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Clean Up

After each use, promptly clean all equipment with water. Ensure that tools and equipment are thoroughly washed before the product has a chance to cure.

Additional Information

- **MIX & COLOUR CHECK:** Mix the paint thoroughly before application. Stir the paint every 2 hours to maintain consistency. Check the colour against the colour chart or standard before applying. For multiple containers, mix them together to ensure colour uniformity. During painting, replace and secure the container lid to prevent the paint from drying out.
- **STORAGE:** Store in a cool dry shaded area. Shelf Life at 25 °C: 12 months minimum when stored as prescribed in the SDS
- **Environmental:** Do not wash painting equipment and allow waste to enter drains and waterways. Do not dispose of unwanted paint and thinners that will enter drains and waterways. Refer to state / local EPA and council websites for environmental and safe disposal details.

Safety & Precautions

Read the Safety Data Sheet (SDS) for this product before use. The SDS contains important information on hazards, precautions, personal protective equipment, first aid, and safe handling instructions. To obtain a copy of the SDS, visit our website at www.apccoatings.com.au or call our customer service line at (02) 9832 0000. Keep out of reach of children. Keep windows and doors open during use and while drying to ensure adequate ventilation. If swallowed, immediately call the Poisons Information Centre at - Australia: 13 11 26, New Zealand: 0800 764 766 or contact a doctor. Avoid contact with skin and eyes.

Omega Paints Pty Ltd

13-27 Melbourne Road, Riverstone NSW 2765
P: (02) 9832 0000 E: info@omegapaints.com.au

www.omegaint.com.au

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. The technical information and suggestions for use and application are given in good faith. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise. The manufacturer does not assume any liability for any loss or injury resulting from the use of the product.