

Alkyd Metal Primer



DESCRIPTION

A single pack, solvented, air drying, zinc phosphate pigmented and filled primer

INTENDED USE

A quick drying solvent based primer for metallic substrates can be used as a universal primer on a variety of substrates and can be over coated with a variety of water-based and solvent-based topcoats

PRODUCT FEATURES

- Excellent adhesion to metallic substrates including suitably prepared hot-dip galvanized substrates
- Excellent adhesion o ceramic and plastic materials
- Exceptional exterior durability
- Contains a unique blend of anti-corrosive pigments which retard corrosion of metallic substrates
- Will accept emulsion and solvent-based topcoats
- Excellent primer for galvanized roofs over coated with Speccoats Exterior Roof Paint

LIMITATIONS

- Flammable – keep away from sources of ignition such as smoking
- Not suitable for overcoating by 2 pack epoxy and polyurethane. Not suitable as a primer for thermo setting i.e. 2 pack epoxy, polyurethane, etc
- Avoid painting in inclement weather or if the temperature is below 5°C
- Not suitable for use on aluminium galvanized surfaces
- Should not be applied at temperatures below 5°C or if the temperature is likely to fall below 5°C within the next 4 hours following application

PACKAGING

- 5lt and 20lt Kits

STANDARD COLOUR AVAILABILITY

Red Oxide



Grey



PRODUCT INFORMATION

- **Number of Components:** 1
- **PVC:** 39%
- **Density:** 1.4 kg/litre
- **Volume Solids:** 24%
- **Pot Life:** 4 hours @ 25°C
- **Film Thickness:** Wet 125-250µm
Dry 30- 60µm
- **Spreading Rate:** 8m² / lt @ 30µm DFT
- **Temperature Resistance:** Dry 80°C
- **Viscosity:** 85 90 KU

SURFACE PREPARATION

- Degrease surfaces with Speccoats Aqueous Degreaser followed by a high pressure water rinse
- Grind and fettle weld spatter, protrusions and sharp edges to a minimum radius of 2mm
- All surfaces must be dry and clean

Steel

- All surface shall be abrasive blast cleaned to grade SA 2 ½ of standard ISO 8501-1 with a blast profile of 30-40µm. The coating must be applied before any flash rusting occurs or the surface shall be re-blast cleaned
- Alternatively abrade the surface thoroughly using grinding disks to achieve a similar profile

Galvanizing

- New galvanizing – degrease using Speccoats Galvanized Iron Cleaner and rinse
- Old Galvanizing – abrade or abrasive blast clean with ultra fine grit to remove corrosion product







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APPLICATION

Mixing – Two Components

- Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform.

Application – Equipment & Methods

	Brushes	Preferred in smaller areas
	Rollers	Preferred in smaller areas
	Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 11 to 15 Thou Tip Pressure - 145 Bar Min
	Conventional Spray	<ul style="list-style-type: none"> Not Recommended

Thinning

- Use a minimum qty **Speccoats Mineral Turps**.

Cleaner

- Cleaning is done with **Speccoats SA 65 Thinners**

APPLICATION ENVIROMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	No lower limit
Maximum	40°C	45°C	85%

*or 3° above the dew point

DRYING TIME

Touch dry	Over-coating interval		Dry to handle
	Minimum	Maximum	
4 hours at 25°C for 50µm at 65% RH	16 hours at 25°C at 65% RH	7 days Hours at 25°C at 65% RH	16 Hours

Note: Dry in conditions of good air circulation

STORAGE AND HANDLING

Storage - Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks

Flash Point - 40°C

Shelf Life - Minimum 1 year when packed in original containers

HEALTH AND SAFETY

- Adequate ventilation should be provided during use
- Avoid contact with the skin by using gloves, barrier creams and face mask
- If the product comes into contact with the skin, wash immediately with lukewarm water and soap, if the eyes are affected flush with water of diluted boric acid solution and seek medical attention immediately
- Refer to Material Safety Data Sheet (MSDS)

DISCLAIMER

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. **ISSUE DATE 12/11/2010**