

Vinyl High Build

Primer



DESCRIPTION

Single pack solvented, Vinyl copolymer, air drying pigmented primer

INTENDED USE

A single pack Primer for the *Speccoats Vinyl System (Vinyl HB Primer, Intercoat & Finishcoat Enamel)*

Suitable for steel structures, shipbuilding, mechanical and automotive engineering, transportation and the protection of buildings in chemical plants, coastal and marine environments

PRODUCT FEATURES

- These paints dry by physical means on steel, non-ferrous metals, mineral substrates and certain plastics.
- Can be applied by brush or spray – fast drying – touch dry in 60 minutes at 25°C
- Exhibits good flexibility and durability.
- Resistant to a wide range of chemicals.
- Exhibits outstanding adhesion to steel, wire brushed and abrasive blast cleaned, galvanised, Zinc rich primers, etc.

LIMITATIONS

- These Vinyl coatings have poor resistance to solvents, fats and oils, and should not be used where contact with the above mentioned is likely
- When applying topcoats the solvents will soften the underlying coats. When brushing, care must be taken to quickly complete an area and then move on to prevent disturbance of the under-layer
- Thicker Coating systems must be slowed to dry sufficiently after top-coating to prevent sling damage
- Chalking occurs on exterior exposure

STANDARD COLOUR AVAILABILITY

Red Oxide



PRODUCT INFORMATION

- **Number of Components:** 1
- **Volume Solids:** 37%
- **Pot Life:** No Limit
- **Film Thickness:** Wet 162- 195µm
Dry 60 - 80µm
- **Spreading Rate:** 5m² /lt @ 70µm DFT
- **Temperature Resistance:** Dry 65°C
- **Viscosity at 25°C:** 4-5.5 Poise

PACKAGING

- 5lt and 20lt Containers

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 50-60µm. The coating must be applied before any flash rusting occurs or the surface shall be re-blast cleaned
- A 7-9 stage chemical cleaning procedure using an approved proprietary process to achieve a uniform, highly adherent zinc phosphate crystal deposit on the surface of the steel

Painted Surfaces

- Degrease surfaces with *Speccoats Hydrosolve* followed by a high-pressure water rinse.
- Lightly abrade using 200# abrasive paper to a mat finish.
- All surfaces must be clean & dry.
- Note: Solvent containing aqueous emulsion cleaners should not be used



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APPLICATION

Mixing – Two Components

- The un-thinned material should not be stirred as stirring will disrupt the thixotropic properties. It will restructure several hours after stirring

Application – Equipment & Methods

Brushes	Apply uniform, even coating with high quality brushes from Speccoats
Rollers	Apply uniform, even coating with short pile rollers from Speccoats
Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 15 to 19 Thou Tip Pressure - 140 Bar Min Use material unthinned
Conventional Spray	<ul style="list-style-type: none"> Not Recommended, will need double application to achieve recommended DFT

Thinning

- Airless Spray – Not Required
- Conventional Spray – Thin up to 10% with **Speccoats Vinyl Thinners**

Cleaner

- Cleaning is done with **Speccoats Vinyl Thinners**

APPLICATION ENVIROMENT

	Surface Temperature	Ambient Temperature	Relative Humidity
Min:	5°C*	5°C	0%
Max:	45°C	40°C	85%
*or 3° above the dew point			

DRYING TIME

Touch dry	Over-coating interval		Dry to handle
	°C	hours	
30 minutes at 25°C	10	16	4 hours at 25°C
	15	8	
	25	4	
	30	2	

STORAGE AND HANDLING

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

Flash Point - 21°C

Shelf Life - Minimum 1 year when packed in original containers

HEALTH AND SAFETY

- Flammable – keep away from sources of ignition – No smoking!!!
- 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 05/11/2010**