



## PRODUCT DATA SHEET

### SUPERIOR RANGE

### UNIVERSAL UNDERCOAT

#### 1. DESCRIPTION

High-quality general-purpose undercoat based on a modified alkyd resin.

#### 2. PRINCIPAL CHARACTERISTICS

- Intermediate undercoat in the SUPERIOR RANGE.
- Excellent opacity and adhesion on correctly prepared and primed internal and external substrates.
- Good application with excellent brushing and leveling properties. Must be over coated with compatible conventional alkyd or water-based paints.
- Provides a smooth base for top coats.
- Cannot be applied to un-primed surfaces.

#### 3. PACKAGING, COLOURS AND GLOSS

- 1lt, 5lt and 20lt.
- White.
- Matt finish.

#### 4. BASIC DATA AT 23°

- Drying time:  $\pm$  4hrs surface dry.  
 $\pm$  16hrs full cure.
- Recoating time:  $\pm$  min 16hrs for 45 $\mu$ m dft, max unlimited.
- Pot life: N/a
- Induction period: N/a
- Mass relative density:  $\pm$  1.2 – 1.3 g/cm<sup>3</sup>.
- Solids by volume:  $\pm$  45%.
- Viscosity:  $\pm$  75 – 85 Ku.
- Recommended dft: 45 $\mu$ m per coat. (2 coats recommended.)
- Theoretical spreading rate: 5 – 6m<sup>2</sup>/lt for 45 $\mu$ m.
- Shelf life: at least 12 months in cool and dry conditions.



**PROTECTION WHERE YOU NEED IT!**

Limitation of liability applies. Refer to annexure for full disclosure.  
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- Flash point: 36°C to 43°C.

## 5. RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Previous coat: (alkyd or water based primer) must be free from any contamination and sufficiently abraded if necessary.
- The substrate must be dry, surface moisture content less than 15%, before and during application of UNIVERSAL UNDERCOAT.
- Substrate temperature should be between 10°C and 30°C and at least 3°C above dew point during application and curing.
- Maximum relative humidity during application and curing is 85%.

## 6. INSTRUCTIONS FOR USE

- Stir well before use.
- Product temperature of the stirred base should be above 15°C to achieve application viscosity.
- Product is formulated to be ready for use; the addition of mineral turpentine will reduce sag resistance and opacity.
- Always ensure adequate ventilation.

### • AIRLESS SPRAY:

- Recommended thinner: Mineral turpentine.
- Volume of thinner: Thinning not recommended.
- Nozzle orifice: ± 0.38 – 0.48mm.
- Nozzle pressure: 12 – 16MPa (± 120 to 160 bar).

### • AIR SPRAY:

- Recommended thinner: Mineral turpentine.
- Volume of thinner: 0 – 5%, depending on required thickness and application conditions.
- Nozzle orifice: ± 1.5 – 2mm.
- Nozzle pressure: 0.3 – 0.4MPa (± 3 to 4 bar).

### • BRUSH / ROLLER:

- Recommended thinner: Long haired brush or mohair roller.
- Volume thinner: Mineral turpentine.
- Cleaning solvent: Thinning not recommended.
- Cleaning solvent: Mineral turpentine.

## 7. SAFETY PRECAUTIONS

This is a solvent based undercoat, avoid inhalation of spray mist vapor as well as contact between the wet paint and exposed skin or eyes.



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