



# UNIVERSAL UNDERCOAT 300

## PRODUCT DESCRIPTION

A universal alkyd based undercoat.

## PRODUCT FEATURES

Universal Undercoat 300 has good adhesion to most types of primers. Can be over coated with most alkyd enamels & good quality emulsion paints. Ideal as a general purpose undercoat on previously painted or suitably primed plaster, wood, metal, etc.

## TECHNICAL INFORMATION

Colour: White  
 Appearance: Matt  
 Generic type: Alkyd resin  
 S.G.: ±1.3  
 Viscosity: ±72Ku  
 Volume solids: 40 ± 3%  
 Spreading rate: ±6m<sup>2</sup>/litre  
 Recommended DFT: 35 microns per coat  
 Temperature resistance: 90°C (dry)  
 Solvent: Mineral Turpentine  
 Mix ratio: Single pack ready for use  
 Packaging: 1 & 5 litre containers

## SURFACE PREPARATION

All surfaces are to be clean, dry and free from flaking paint, oil, grease & other contaminants. Degrease previously painted surfaces & lightly abrade the surfaces. Rusted mild steel should be abrasive blasted prior to application of a suitable primer, then the application of Universal Undercoat. Wood is to be sanded & primed prior to application of Universal Undercoat 300. Masonry surfaces are to be primed prior to application of Universal Undercoat 300. Wood & mild steel have been successfully coated directly with Universal Undercoat 300, this however, does not constitute a recommendation.

## APPLICATION

Airless spray: Not recommended

Conventional spray: 20 – 25% dilution recommended  
 Use only Mineral Turpentine

Air pressure: 3 – 5 bar  
 Nozzle orifice: 1.5 – 2mm

Brush and Roller: Suitable as supplied

Clean up: Use only Mineral Turpentine

## ENVIRONMENT

It is recommended that application be confined to the following:

Surface temperature: Min. 5°C Max. 40°C  
 Ambient temperature: Min. 5°C Max. 40°C  
 Relative humidity: Min.0% Max.85%  
 Or at least 3°C above Dew point

## DRYING TIME

Drying time is dependent on 2 factors: Temperature & film thickness. Figures given refer to film thickness of 100 microns.

Substrate Temp	Touch Dry	Hard Dry
5°C	12 hours	48 hours
15°C	8 hours	24 hours
25°C	2 hours	12 hours
35°C	1 hour	9 hours

## OVERCOATING TIMES

Surface Temperature	Minimum	Maximum
5°C:	48 hours	Indefinite
15°C:	16 hours	Indefinite
25°C:	12 hours	Indefinite
35°C:	8 hours	Indefinite

If the coating has not been over coated within 4 days of application at 25°C, lightly abrade the surface to ensure good adhesion of subsequent coats. All the above are given as guidelines & can not be assumed to be absolute, as variances will result from differences in film thickness, environment & surface temperatures.

## STORAGE AND HANDLING

Store away from direct sunlight, open flames & severe cold. Shelf life: 1 year in original sealed containers. Flash point: 35°C

## LIMITATIONS

Avoid excessively heavy film application, as this can result in solvent entrapment & wrinkling. Do not over coat with Q.D. Enamels. Do not apply directly to masonry surfaces.

## SAFETY PRECAUTIONS

Work with PVC gloves & safety glasses when using Universal Undercoat. When spraying Universal Undercoat, always wear a respirator. This product contains flammable materials. Keep away from sparks & open flames. No smoking should be permitted in the area. Always work in a well ventilated area.

Information Provided is based on Laboratory evaluations and data believed to be reliable.  
 Recommendations are given in good faith but without warranty. It is the user's responsibility to determine the suitability for their own use.  
 It is not to be considered a guarantee of the products properties.

For more information contact our Factories:  
 Western Cape: Tel/Fax: (021) 853-8105 Mpumalanga: Tel: (013) 246-2570 Fax: (013) 246-2573



# product data sheet

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