



Manufacturers of UTHANE Polyurethane Coatings
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TECHNICAL DATA SHEET

UW1160 WATER BORNE UV TOPCOAT CLEAR

PRODUCT

DESCRIPTION

UW1160 is a single component, very low VOC levels, non-yellowing, clear water borne coating designed as a quality durable finish for timber substrates. The product is designed to act as a self-sealing finish to provide excellent UV Protection to minimise colour change or yellowing of solid timber or veneer substrates.

It is particularly effective in the protection of man-made veneers such as “New – Age” Veneers used in cabinet work or wall panelling etc.

UW1160 is NOT designed for direct exterior exposure.

It is suitable for indirect exterior exposure.

PROPERTIES

COLOUR

Clear

GLOSS LEVEL

Matte (10 - 15%), Satin (25 - 30%), Semi-gloss (40 - 50%) and Gloss (> 80 %)

CHEMICAL

RESISTANCE

Good

SOLVENT

RESISTANCE

Good

ABRASION

RESISTANCE

Good

VOC LEVEL

<30g / Litre

TECHNICAL DATA

RECOMMENDED FILM

BUILD

40 microns (wet)

VOLUME SOLIDS

25%

THEORETICAL

COVERAGE

12 sq metres / Lt. (approx).

DRYING AT 25 °C

Touch Dry	30 - 40 minutes
Handleable	40 - 60 minutes
Sanding	2 hours

NOTE - dry times are listed for normal ambient conditions, however the drying rate is dependent on the Temperature and Relative Humidity - low temperatures and/or high Relative Humidity will retard the drying of water borne coatings

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APPLICATION METHODS	Conventional, airless or air assisted airless spray Smaller touch-ups by brushing..
FLASHPOINT	Non-flammable
RECOATABILITY	Must be sanded.
SHELF LIFE	12 months at 25 °C in original sealed containers.
PACKAGING	4 Litre, 10 Litre and 20 Litre plastic pails

SYSTEM RECOMMENDATIONS

<u>SUBSTRATE</u>	<u>PREPARATION</u>	<u>COATING SEQUENCE</u>	<u>FILM BUILD WET (DRY)</u>
STAINED OR RAW TIMBER	Sand and remove dust	1st coat : UW1160 Clear	60 - 80 microns
	Sand and remove dust	2nd coat : UW1160 Clear	80 - 100 (26 - 34) microns

NOTE	To achieve maximum UV Protection, UW1160 UV Clear must be the only product used in the coating sequence. The use of non-UV protection modified Sealers will diminish the UV resistance properties and hence durability of the system. UW1160 should NOT be used in direct exterior situations.
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APPLICATION

MIXING

Stir the UW1160 thoroughly before use with a flat blade stirrer.
Mechanical stirring is recommended to ensure uniformity of gloss and clarity.

THINNING

UW1160 can be thinned up to 15% with water

SPRAYING

Conventional Spray Gun with a 2 mm tip at a pressure of 350 – 600 Kpa

EQUIPMENT CLEANUP

All equipment should be thoroughly cleaned using water.

Note Do NOT use spray guns for this product that have been used to apply solvent based products, and hence do not use the spray equipment that has applied the water borne products with Solvent based products.

GENERAL INFORMATION

Rate of cure is dependent upon temperature.
Do not apply this product at temperatures below 10 °C or relative humidities above 85%.
Shelf life is normally 12 months but depends on storage conditions.

This data sheet is based on information in BC Coatings possession at date of issue.
BC Coatings supplies its products only on condition that the consumer is satisfied as to the performance of the product in meeting his particular requirements.