



Manufacturers of UTHANE Polyurethane Coatings  
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Text Orders/Enquiries: 0487 800 090

## TECHNICAL DATA SHEET

### PRODUCT

### UW1100 WATER BORNE TOPCOAT

#### DESCRIPTION

UW1100 is a single component, very low VOC levels, non-yellowing, water borne coating designed as a quality finish coat compatible with both 1K and 2K Undercoats.

#### PROPERTIES

##### COLOUR

Clear

##### GLOSS LEVEL

Matte (10-15%), Satin (25-30%), Semi-gloss (40 -50%) and Gloss (75-80%)

##### CHEMICAL

##### RESISTANCE

Very Good.

##### SOLVENT

##### RESISTANCE

Very Good

##### ABRASION

##### RESISTANCE

Very Good

##### VOC LEVEL

<10g / Litre

#### TECHNICAL DATA

##### RECOMMENDED FILM

##### BUILD

40 microns (wet)

##### VOLUME SOLIDS

30 %

##### THEORETICAL

##### COVERAGE

12 sq metres / lt. (approx).

##### DRYING AT 25 °C

Touch Dry	30 -40minutes
Handleable	40 - 60minutes
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.

**FLASHPOINT** Non flammable

**RECOATABILITY** Must be sanded.

**SHELF LIFE** 12 months at 25 °C in original sealed containers.

**PACKAGING** 4litre, 10 litre and 20litre plastic pails

#### SYSTEM RECOMMENDATIONS

<u>SUBSTRATE</u>	<u>PREPARATION</u>	<u>COATING SEQUENCE</u>	<u>FILM BUILD WET (DRY)</u>
TIMBER, MDF, MELAMINE TREATED MDF	Sand and remove dust	1 <sup>st</sup> coat : Suitable IK or 2K Polyurethane Undercoat W/B or Solvent Based	60 - 80 microns
	Sand and remove dust	2 <sup>nd</sup> coat : UW1100 Pigmented Finish	80 - 100 (26 - 34) microns

**NOTE** UW1100 Waterborne Topcoat can be applied over both UT240 Polyurethane Undercoat, and PE230 Polyester Undercoat / Sealer, however they **must** be allowed to cure thoroughly overnight before being overcoated

UW1100 can be applied directly to **sanded** Melamine Treated MDF



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#### APPLICATION

##### **MIXING**

Stir the UW1100 thoroughly before use with a flat blade stirrer. Mechanical stirring is recommended to ensure uniform colour and opacity

##### **THINNING**

UW1100 can be thinned up to 15% with water

##### **SPRAYING**

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

##### **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.

#### PRECAUTIONS

##### **SAFETY**

Provide adequate ventilation during use.

Airflow should be adequate to ensure a comfortable working atmosphere.

When spray painting, users should comply with the provisions of the State Spray Painting Regulations.

Avoid contact with skin and eyes.

Wear protective goggles and gloves when handling the material.

In the case of skin contact, remove contaminated clothing and wash skin thoroughly with clean water.

Seek medical attention if eyes are affected by splashes or fumes.



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#### GENERAL

Rate of cure is dependent upon temperature.

Do not apply this product at temperatures below 10 °C or relative humidifies 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.