

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 THEORETICAL

30 %

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 st coat : Suitable IK or 2K Polyurethane Undercoat W/B or Solvent Based	60 - 80 microns
	Sand and remove dust	2 nd 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.