



TECHNICAL DATA SHEET

PRODUCT UT123 TWO-PACK PANEL URETHANE DECORATION SYSTEM

DESCRIPTION UT123 2-Pack topcoat is a modified polyurethane designed to maintain its original appearance for the maximum length of time.
It has been specifically formulated for the decoration and protection of compressed fibro cement board when used in conjunction with UT220 soft sanding undercoat.

PROPERTIES

COLOUR Full colour range or matchings on request.

GLOSS LEVEL Satin (other levels available).

WEATHERING Excellent.

CHEMICAL RESISTANCE Very good.

SOLVENT RESISTANCE Very good.

ABRASION RESISTANCE Very good.

TEMPERATURE RANGE Up to 150 °C (dry).

GRAFFITI RESISTANCE Good - Very Good (depending on agent used)

TECHNICAL DATA

RECOMMENDED

FILM BUILD

TOPCOAT	100 - 150	40 - 60
SYSTEM	100 microns (dry)	

VOLUME

SOLIDS (TOPCOAT) 40%

THEORETICAL

COVERAGE (TOPCOAT) Approx. 10 sq metres per litre at 100 microns wet.

COMPONENTS Two.

MIXING RATIO 4A : 1B by volume

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DRYING AT 25 °C Touch dry: 1 hr Handleable: 2 hrs
 Stackable: 12 hrs Full cure: 3 days

POT LIFE AT 25 °C 4hrs.

APPLICATION METHODS Brush, roller, air or airless spray.

FLASHPOINT 23 °C

SHELF LIFE 12 months (minimum) in original sealed containers

PACKAGING Part A 4 lt. 20 lt.
 Part B 1 lt. 4 lt.

SYSTEM RECOMMENDATIONS

<u>SUBSTRATE</u>	<u>PREPARATION</u>	<u>COATING SEQUENCE</u>	<u>FILM BUILD WET (DRY)</u>
TIMBER Clear UT100 on externally exposed timber - not recommended	Sand and remove dust.	1 st Coat: UT300 2-pack Clear Timber Sealer 2 nd Coat : UT220 or UT240 Sanding Undercoat Finish Coat: UT123 Series Panel Topcoat	80 microns 80 - 100 (30 - 40) microns 100 - 150 (40 - 60) microns
FIBRE CEMENT BOARD	Remove dust, oil, grease and loose material from aged surfaces.	1 st Coat: UT220 Sanding Undercoat Finish Coat: UT123 Series Panel Topcoat	80 - 100 (30 - 40) microns 100 - 150 (40 - 60) microns

SURFACE PREPARATION

TIMBER/M.D.F. Sand or de-nib and dust off prior to sealing.

FIBRE CEMENT BOARD Blow off to dust free condition before applying undercoat.

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APPLICATION

MIXING

Stir each of the components till homogenous.
Mix all base and hardener components until fully blended.
Allow induction time of 10 - 15 minutes prior to commencing application.
For smaller quantities mix 4 parts of base to 1 part hardener by volume.

THINNING

Use recommended thinner only, up to a maximum of 20 % by volume depending on method of application employed.

BRUSH OR ROLLER

Use brush for small or difficult areas.
Short nap roller is recommended with two coats for best result and even finish.
Wash -up with UT100 U-thane Thinner or BC Gunwash.

SPRAYING

Conventional pressure pot : 1.5 mm Fluid orifice using 385 kpa (50 psi).
Pressure at pot : 65 kpa (10 psi)
Pressure at Gun : 385 kpa(50 psi)

AIRLESS

Standard airless equipment using 28:1 pump ratio
and fluid tip range 475 - 525 microns (0.019-.021 inches)
and supply air at 520 - 650 kpa (80-100 p.s.i).
Thin as necessary with UT100/UT101/UT102 Thinner
depending on ambient temperature.

EQUIPMENT CLEANUP

All equipment should be thoroughly cleaned with U-thane Thinner or BC Gunwash.



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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.

Where this is not possible, operators must use an air supplied respirator complying with Australian Standards AS1715 and AS1716.

For further information refer to MSDS.

This product is flammable and all sources of ignition (flame, pilot lights, furnaces, spark producing switches etc.) must be eliminated in or near, the application area.
DO NOT SMOKE.

This product is polyisocyanate catalysed and the necessary precautions must be observed when handling this material.

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.

GENERAL

Freshly mixed material must not be added to material which has been in use for some time.

Rate of cure is dependent upon temperature.

Do not apply this product at temperatures below 10 °C or relative humidities > 85 %.

Ensure maximum recoat interval is not exceeded otherwise surface must be lightly abraded and then dusted to ensure maximum inter-coat adhesion.

Shelf life is normally 12 months but depends on storage conditions.

DANGEROUS GOODS

Part A	Class 3.1	UN 1263	PAINT	HFP
Part B	Class 3.2	UN 1866	RESIN SOLUTION	

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.

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