

## TECHNICAL DATA SHEET

**PRODUCT:** **UT450 SEMI GLOSS CLEAR POLYURETHANE**

**DESCRIPTION:** UT450 2-Pack Semi-Gloss Clear Sealer/Topcoat is an acrylic polyurethane designed to give a natural finish to timber, veneers etc. The product has been designed to act as a self-sealing finish to provide the maximum Ultra-Violet protection and to prevent discolouration to cabinets etc. exposed to intermittent sunlight. Its principal area of application is in the decoration and protection of Man-made/reconstituted veneers, used in the cabinet and wall panel industries.

### PROPERTIES

**GLOSS LEVEL** : Semi-gloss  
**COLOUR** : Milky, dries clear  
**UV RESISTANT** : Excellent  
**CHEMICAL RESISTANCE** : Very good  
**SOLVENT RESISTANCE** : Very good.  
**ABRASION RESISTANCE** : Very good.

### TECHNICAL DATA

<b>RECOMMENDED FILM BUILD</b>	: 100 microns (wet)	25 microns (dry)
<b>VOLUME SOLIDS</b>	: 25 %	
<b>THEORETICAL COVERAGE</b>	: $\approx 10$ metres <sup>2</sup> per litre at 100 microns wet. This will vary depending on the porosity of the substrate	
<b>COMPONENTS</b>	: Two.	
<b>MIXING RATIO</b>	: 10 parts Part "A" : 1 part "B" (UT4400) by volume	
<b>DRYING @ 25°C</b>	: Touch dry: 20 mins Recoat: 2 hrs	Handleable: 2 hrs Full cure: 5 days
<b>PART B</b>	: UT4400 Hardener	



**Manufacturers of UTHANE Polyurethane Coatings**  
**14a Williamson Road, Ingleburn, N.S.W., 2565**  
**Phone +612 9729-2000 1300 BCC OAT (222 628)**  
**Email: [orders@bccatings.com.au](mailto:orders@bccatings.com.au)**  
**Text Orders/Enquiries: 0487 800 090**

## UT450 SEMI GLOSS CLEAR POLYURETHANE

**POT LIFE @ 25°C** : 6hrs.

**APPLICATION** Air or airless spray.

## METHODS : Air.

**FLASHPOINT** : 23° C

**SHELF LIFE** : 12 months (min)

## **SURFACE PREPARATION:**

- Lightly sand board to remove scratches.
- Lightly sand edge strip to reduce edge veneer finger glue line.

**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 10 parts of base to 1 part hardener by volume.

**THINNING:** You can use UT123 Fast Dry Thinner, UT100 Thinner, UT935 Medium Thinner, or UT101 Slow Thinner, depending on ambient temperature. Thin 15-20% by volume.

**EQUIPMENT CLEANUP:** All equipment should be thoroughly cleaned with UT100 Fast Thinner.



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## UT450 SEMI GLOSS CLEAR POLYURETHANE

### APPLICATION:

- Gun pressure for all coats to be set at 310 kPa (45 psi) on regulator with the gun control valve fully open.
- Apply 1<sup>st</sup> seal coat of UT450 SEMI GLOSS (thinned with 20% UT100 Fast Thinner)
- Whilst still wet, apply 2<sup>nd</sup> seal coat of UT450 SEMI GLOSS (thinned with 20% UT100 Fast Thinner)
- Application rate for seal coats is 100mls. per square metre of board.
- Allow 24 hours drying time.
- Lightly sand board.
- Clean board with solvent to remove sanding dust prior to application of topcoat.
- Apply 1<sup>st</sup> topcoat of UT450 SEMI GLOSS
  - (thinned with 15-20% of the appropriate Thinner)
- Whilst still wet, apply 2<sup>nd</sup> topcoat of UT450 SEMI GLOSS
  - (thinned with 15-20% of the appropriate Thinner)
- Application rate for topcoats is 100mls, per square metre of board.
- Allow 24 hours drying time prior to transport.

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.