

TECHNICAL DATA SHEET

PRODUCT: UT160 UV-MAX 2K NON YELLOWING POLYURETHANE SEALER / TOP COAT

DESCRIPTION: UT160 UV-MAX 2-Pack Satin Clear Sealer/Topcoat is an unmodified acrylic polyurethane designed to maintain maximum appearance for the maximum length of time.
The product has been designed to act as a self-sealing finish to provide the maximum Ultra-Violet protection and to minimise yellowing to cabinets etc. exposed to intermittent sunlight.
Its principal area of application is in the decoration and protection of Man made veneers such as “New Age” veneers and is used in the cabinet and wall panel industries.

PROPERTIES

GLOSS LEVEL : Satin / Gloss Clear
COLOUR : Slightly yellow in can, dries clear
WEATHERING : Excellent
CHEMICAL RESISTANCE : Very good
SOLVENT RESISTANCE : Very good.
ABRASION RESISTANCE : Very good.
TEMPERATURE RANGE : From –30 °C up to 150 °C (dry).

TECHNICAL DATA

RECOMMENDED FILM BUILD : 100 microns (wet) 40 microns (dry)
VOLUME SOLIDS : 40 %
THEORETICAL COVERAGE : ≈ 10 metres² per litre at 100 microns wet.
This will vary depending on the porosity of the substrate
COMPONENTS : Two.
MIXING RATIO : 4 parts Part “A” : 1 part Part “B” by volume

DRYING @ 25°C : Touch dry: 2 hrs Handleable: 6 hrs
Recoat: 4 hrs Full cure: 5 days

CHEMICALLY

ASSISTED DRYING

@ 25°C : Touch dry: 1 hr Handleable: 3 hrs
Recoat: 2 hrs Full cure: 3 Days

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POT LIFE @ 25°C	:	8hrs.
APPLICATION METHODS	:	Brush, roller, air or airless spray. Chemically assisted drying requires air atomisation or shaping air.
FLASHPOINT	:	23° C
SHELF LIFE	:	12 months (min)
PACKAGING	:	Part A 4 lt, 20 lt. Part B 1 lt, 5 lt.

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 4 parts of base to 1 part hardener by volume.

THINNING:

Use UT101 Medium Thinner only, thin 30% by volume.

EQUIPMENT CLEANUP:

All equipment should be thoroughly cleaned with UT100 Thinner.

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APPLICATION:

- Gun pressure for all coats to be set at 310 kPa (45 psi) on regulator with the gun control valve fully open.
- Apply 1st seal coat of UT160 UV-Max Clear Sealer or Gloss (thinned with 30% UT101 Medium Thinner)
- Whilst still wet, apply 2nd seal coat of UT160 UV-Max Clear Sealer or Gloss (thinned with 30% UT101 Medium Thinner)
- Application rate for seal coats is 100 mls. 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 top coat.
- Apply 1st top coat of UT160 UV-Max Clear (thinned with 30% UT101 Medium Thinner)
- Whilst still wet, apply 2nd top coat of UT160 UV-Max Clear (thinned with 30% UT101 Medium Thinner)
- Application rate for top coats is 100 mls. per square metre of board.
- Allow 24 hours drying time prior to transport.

MATERIALS:

Paint: UT160 UV-Max Clear 2-Pack Urethane Sealer/Topcoat.
Manufactured by B.C. Coatings.

Paint: UT101 Medium Thinner.
Manufactured by B.C. Coatings.

The above process is a guide only, FOR OPEN GRAIN FINISH ONLY

The process may vary from factory to factory.

If there is any doubt as to the procedure, please call B.C. Coatings for more information

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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.

This product is flammable and all sources of ignition (flames, pilot lights, furnaces, spark producing switch etc.) must be eliminated in, or near the application area.

DO NOT SMOKE.

This product is poly-isocyanate catalysed and all the necessary precautions must be observed when handling this type of 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 humidity's above 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.

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.