



14a Williamson Road, Ingleburn NSW 2565  
Phone: 02 9729 2000 or 1300 BC COAT (22 2628)  
Email: [orders@bccoatings.com.au](mailto:orders@bccoatings.com.au)  
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## TECHNICAL DATA SHEET

### AT883 3:1 2K CLEAR COAT

EFFECTIVE: AUGUST 2020

#### Product Description

AT883 CLEAR COAT is a "Refinish Quality" 2 pack (2K) high gloss, isocyanate cured acrylic polyurethane clear coat based on the latest acrylic resin technology. The resulting durable coating delivers excellent weathering and performance properties (when applied over solventborne & waterborne basecoats) and is suitable for use where a high quality Refinish Grade 2K PU Clear Coat coating is required. AT883 CLEAR COAT will reproduce original finish gloss, flow, and image clarity with minimum effort & in the shortest possible time. This clear coat is suitable for use for spot & panel repairs, large sections, blending & all over repaints.

#### Products

- AT883 CLEAR 3:1 2K PU Clear Coat
- AT8831: CLEAR 3:1 2K PU Hardener FAST
- AT8832 CLEAR 3:1 2K Hardener MEDIUM
- AT8833 CLEAR 3:1 2K PU Hardener SLOW
- AT650: 2K AUTO Reducer
- AT101: 2K AUTO Medium Reducer
- AT102 2K AUTO Slow Reducer

#### Product Use

This product will provide excellent final finish appearance and protection of properly applied & dried solventborne & waterborne basecoats. It is suitable for refinishing passenger vehicles, commercial vehicles such as buses, refurbishment of commercial vehicles, machinery and any article that requires a high quality 2K PU Clear Coat. This Clear Coat can be applied over all properly prepared Refinish quality solventborne & waterborne basecoats & cured original OEM Topcoats.



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### Properties

- Excellent flow properties
- Excellent Drying, Curing, Hardness & Scratch resistance properties
- Excellent application properties
- Excellent weather resistance & long-term durability
- Excellent Hold out & final appearance
- Excellent Chemical Resistance & Stone Chip Resistance
- Excellent Polishing properties

### Colour

This Clear Coat can be applied over all properly prepared Refinish quality solventborne & waterborne basecoats & cured original OEM Topcoats. DO NOT APPLY OVER ACRYLIC LACQUER COATINGS

### Gloss

High gloss

### Substrate

- BC COATINGS primers and surfacer coated substrates
- Others on request

### Surface preparation

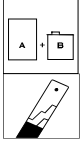
- Substrates must be free from all contaminants
- Before application, remove all traces contaminants with Tack cloth



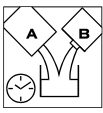
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
### Mixing ratio

	Products	By weight	By volume
	AT883 PART A	100	3
	AT883 PART B	37.5	1
	AT650 AUTO REDUCER	0~11	0~10%

### Pot life

	Temperature (°C)	10	25	35
	Time	4 h	3 h	1 h


### Application

Spray Equipment		Application viscosity DIN-4 at 20°C (S)	Thinner (%)	Spray Nozzle (mm)	Pressure (Bar)	Number of coats
	Gravity feed	18~20	0~10	1.3~1.4	2.5~3.5	2
	Suction feed	18~20	0~10	1.3~1.4	2.5~3.5	2
	HVLP	18~20	0~10	1.3~1.4	2.0~2.5	2
	Airless Airmix	As mixed	0	0.23~0.3 0	180	2
	Pressure pot Membrane Pump	18~20	0~10	1.1	2.5~3.5	2
	Electrostatic	According to the advice of the Technical Representative				
	Flash time between coats	5~10 min				



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	Flash time before baking	10~15 min
Recommended Dry Film Thickness		50-70 microns

### Drying

Dry Type	Dust Dry	Dry to handle	Hard dry
Air Drying at 25°C	30 min	2~4 h	24 h
Force Drying at 60°C	30-40 min		
Infra-Red	5 -10 min depending on wavelength		

### Physical Data

	PART A	PART B	RTS
Weight Solid	39%	70%	42~47%
Volume Solid	33%	63%	46~40%
Density	0.94 kg/L	1.06 kg/L	0.92~0.97 kg/L
Flash Point	-17°C	25°C	Depends on colour
Theoretical Coverage	8.4~9.2m <sup>2</sup> /L at 50 microns DFT (RTS)		
VOC	525-540 g/L (RTS)		

### Shelf life

- |                                 |           |
|---------------------------------|-----------|
| • AT883 CLEAR PART A:           | 24 months |
| • AT883 CLEAR PART B:           | 24 months |
| • AT650 2K AUTO REDUCER:        | 48 months |
| • AT101 2K AUTO MEDIUM REDUCER: | 48 months |
| • AT102 2k AUTO SLOW REDUCER    | 48 months |

The shelf life quoted is based on the shelf life of the product in full and sealed original containers within the normal ambient temperature conditions and other specified requirements





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### Safety

- Consult the Safety Data Sheet prior to use
- Observe the precautionary notices displayed on the container

### Remarks

	Stir thoroughly each time before use Stir the mixture well after adding the hardener & reducer
	Before application, a colour comparison of the applied basecoat is recommended before applying clear coat
	Surface temperature must always be a minimum of 3°C(5°F) above dew point

### Safety

- Consult the Safety Data Sheet prior to use
- Observe ALL the precautionary notices displayed on the container

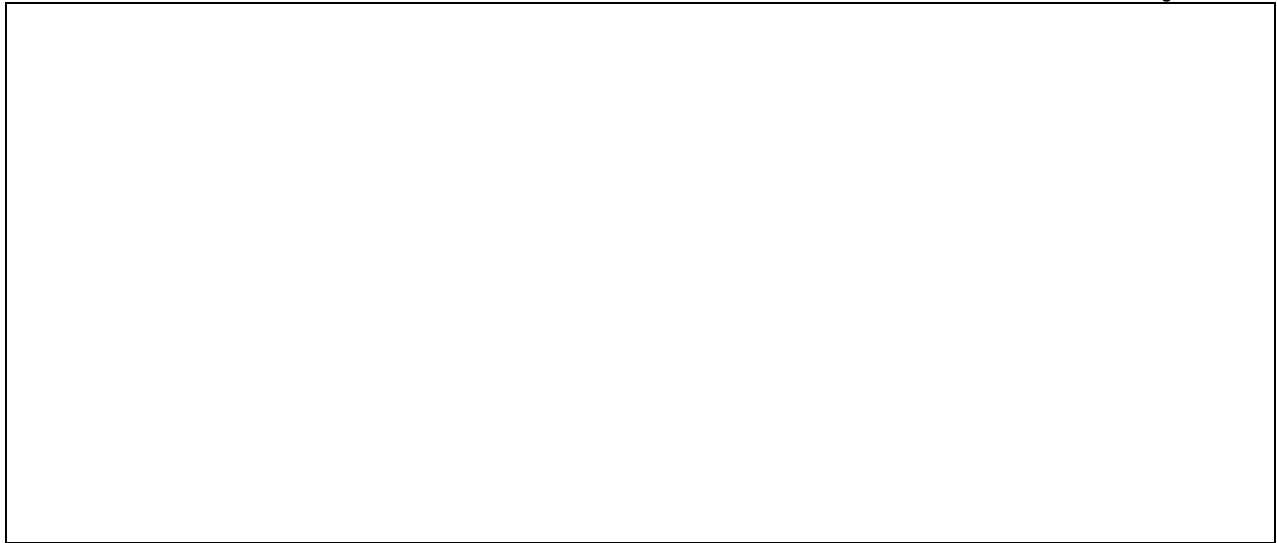
### Information

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since BC COATINGS cannot anticipate all variations in actual end-use conditions BC COATINGS makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.



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For more information please contact your local BC COATINGS Representative.