

Date: 18th October 2026

Technical Data Sheet

Version:03

Product Name	
Full Product Name	Acrylic White (Hi-Opacity)
Type of Product	1K acrylic topcoat
Description	Concept Acrylic White (Hi-Opacity) is a high gloss and high opacity acrylic white topcoat, designed for automotive components. It is characterized by its excellent adhesion and long-term durability.

Products						
Product Name	Volume Solids %	Weight Solids %	Density g/mL lbs/US gal		VOC g/L lbs/US gal	
Acrylic White (Hi-Opacity)	29.1	46.6	1.153	9.62	552.2	4.61
Acrylic Thinner	0.0	0.0	0.840	7.01	839.8	7.01
810 Retarder Thinner	0.0	0.0	0.884	7.38	884.0	7.38

Properties	
• High gloss	
• High opacity	

Substrates	
• Concept Acrylic Primer - Grey	
• Concept Two in One Primer - Beige	
• Concept 103 Etch Primer	
• Concept 111 Universal Primer	
• Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels.	

Substrate Preparation



All Substrates

All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application.

Product Preparation

	Reducer	Up to 100% (by volume) Concept Acrylic Thinner To minimise blooming, use 90-95%(by volume) Concept Acrylic Thinner and add 5-10%(by volume) Concept 810 Retarder Thinner.			
	Pot life @ 25°C (77°F)	N/A			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	18-19 s 16-17 s		
  	Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
		Gravity feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		Suction feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
		HVLP	1.2-1.3 mm 0.047-0.051"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch
	Number of coats	3-4	Apply one coat followed by two or three even full coats. Avoid heavy wet coats.		
	DFT Recommended	40-50 µm 1.6-2.0 mils			
	Flash off time @ 25°C (77°F)	5 min between coats			
	Drying	Air Dry @ 25°C (77°F)	40-60 min		
	Polishing	Sand with P1200 before polishing			

This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.

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Remarks

	Stir all products thoroughly each time before use. Stir the mixture well after the weigh-out of the components.
	Surface temperature must always be a minimum of 3°C (5°F) above dew point.

Equipment Cleaning

Use recommended Concept Paints 035 Gunwash

Dry Film Properties

After 7 days drying,
when compared to similar technology products.

Gloss	High
Adhesion	Excellent
Durability	Excellent

Product Data

Colour	White
Theoretical Coverage	Approx. 5.0 m ² /L (205 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature, away from sunlight.

Product Packaging

Product Code	Product Name	Package Size
AU4066000000X	Acrylic White (Hi-Opacity)	1L, 4L, 20L
AU8029200000X	Acrylic Thinner	1L, 4L, 20L
AU8109200000X	810 Retarder Thinner	1L, 4L, 20L

Safety

For automotive and industrial use only by professional painters. Not recommended for sale to, or use by the general public. Before using, read and follow all label and Safety Data Sheet (SDS) precautions. If mixed with other components, the mixture will have hazards of all individual components.

Read and understand the Guidelines for the Safe Handling and Use of Isocyanate Containing Paints, including the use of approved respiratory protection and Personal Protective Equipment. Use only in a well-ventilated approved spray booth, according to local regulations.

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This Technical Data Sheet supersedes all previous issues.

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