

Technical Data Sheet

Product Name	
Full Product Name	Acrylic Matt Black
Type of Product	1K acrylic topcoat
Description	Concept Acrylic Matt Black is a matt finish and high opacity 1K acrylic black topcoat, designed for automotive components. It is characterized by its excellent adhesion and long term durability.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
Acrylic Matt Black	29.5	33.9	0.948	7.89	633.5	5.29
Acrylic Thinner	0.0	0.0	0.840	7.01	839.8	7.01
Retarder Thinner	0.0	0.0	0.884	7.38	884.0	7.38

Properties	
<ul style="list-style-type: none"> • Matt gloss 	
<ul style="list-style-type: none"> • High opacity 	

Substrates	
<ul style="list-style-type: none"> • Concept Acrylic Primer 	
<ul style="list-style-type: none"> • Concept Two in One Primer 	
<ul style="list-style-type: none"> • Concept 1K Etch Primer 	
<ul style="list-style-type: none"> • Concept Universal 4000 Primer 	
<ul style="list-style-type: none"> • 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

100% (v/v) Concept Acrylic Thinner
5-10% Concept Retarder Thinner, if required (to minimise blooming)



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



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

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.

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 cleaner

Dry Film Properties	After 1 hour drying, <u>when compared to similar technology products.</u>
Gloss	Matt
Adhesion	Excellent
Durability	Excellent

Product Data	
Colour	Black
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 1	Product Code 2	Product Name	Package Size
AU40670010001		Acrylic Matt Black	1L,
AU80292000001		Acrylic Thinner	1L, 4L, 20L, 60L
AU81092000001		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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