

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

Matt gloss
High opacity

Substrates

Concept Acrylic Primer
Concept Two in One Primer
Concept 1K Etch Primer
Concept Universal 4000 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) 810 Retarder Thinners.



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

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,
when compared to similar technology products.

Gloss

Matt

Adhesion

Excellent

Durability

Excellent

Product Data

Colour

Black

Theoretical Coverage

Approx. 5.0 m²/L (205 ft²/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
AU80292000001
AU81092000001

Acrylic Matt Black
Acrylic Thinner
810 Retarder Thinner

1L,
1L, 4L, 20L, 60L
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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