

Technical Data Sheet

Product Name	
Full Product Name	401 Rapid Dry Enamel
Type of Product	1K Enamel Topcoat
Description	Concept 401 Rapid Dry Enamel is a very fast drying 1K industrial enamel, ideally suited for quick and easy low build protection and beautification of primed steel.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
401 Rapid Dry Enamel Mixed Colours	Depending on the colour					
401 Rapid Dry Enamel Black	37.9	44.6	0.958	7.99	530.9	4.43
401 Rapid Dry Enamel White	39.3	53.3	1.103	9.20	514.5	4.29
804 Enamel Thinner	0.0	0.0	0.802	6.69	802.0	6.69

Properties
<ul style="list-style-type: none"> • High gloss and fast drying
<ul style="list-style-type: none"> • Easy application
<ul style="list-style-type: none"> • Low build and good opacity

Substrates
<ul style="list-style-type: none"> • 109 Enamel Primer - Grey
<ul style="list-style-type: none"> • 113 ZP Primer
<ul style="list-style-type: none"> • 103 Etch Primer
<ul style="list-style-type: none"> • 111 Universal Primer(HB)
<ul style="list-style-type: none"> • Sound enamel surfaces

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 30% reduction with concept 804 Enamel Thinner, if required



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

2

Apply one coat followed by one even full coat. Avoid heavy wet coats.



DFT Recommended

30-40 µm
1.2-1.6 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 035 Gunwash

Dry Film Properties	After 7 days drying, <u>when compared to similar technology products.</u>
Gloss	Excellent
Adhesion	Excellent
Metal Protection	Excellent

Product Data	
Colour	White, Black, Mixed colours
Theoretical Coverage	Approx. 6.0 m ² /L (245 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
IN4017000000X	401 Rapid Dry Enamel Black	1L, 4L, 20L
IN4016000000X	401 Rapid Dry Enamel White	1L, 4L, 20L
IN401XXXXXXX	401 Rapid Dry Mixed Colours	>100L
IN8049200000X	804 Enamel 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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