

# Technical Data Sheet

Product Name	
Full Product Name	<b>401 Rapid Dry Enamel</b>
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"> <li>• High gloss and fast drying</li> </ul>
<ul style="list-style-type: none"> <li>• Easy application</li> </ul>
<ul style="list-style-type: none"> <li>• Low build and good opacity</li> </ul>

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

## 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 cleaner	

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

Product Data	
Colour	White, Black, Mixed colours
Theoretical Coverage	Approx. 6.0 m <sup>2</sup> /L (245 ft <sup>2</sup> /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
A06C/RAPIDB	3517000	401 Rapid Dry Enamel Black	1L, 4L, 20L
A06C/RAPIDW	3516000	401 Rapid Dry Enamel White	1L, 4L, 20L
A06C/301/xxx	301xxxx	401 Rapid Dry el Mixed Colours	>100L
A08C/ENA	8049200	804 Enamel Thinner	1L, 4L, 20L, 60L

## 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.

The information provided in this documentation has been carefully selected and arranged by us. It is based upon our best knowledge on the subject at the date of issuance. The Information is given for information purposes only. We are not liable for its correctness, accuracy and completeness. It is up to the user to check if the information is current and the product is suitable for its intended purpose. The intellectual property in this Information, including patents, trademarks and copyrights, is protected. All rights reserved.

We may modify and/ or discontinue operation of all or portions of this Information at any time in our sole discretion, without notice and assume no responsibility to update the Information. All rules set forth in this clause shall apply accordingly for any future changes and amendments.

This Technical Data Sheet supersedes all previous issues.

Concept Paints  
26-30 Charles Street  
St Marys NSW 2760  
Sydney, Australia

ph. +61 (2) 9673 2555  
fax. +61 (2) 9623 1918  
info@conceptpaints.com.au  
www.conceptpaints.com.au