

# Technical Data Sheet

Product Name	
Full Product Name	<b>1K 50% Gloss Acrylic White</b>
Type of Product	1K acrylic topcoat
Description	Concept 1K 50% Gloss Acrylic White is a semi-gloss (50%) acrylic white topcoat, characterised by its smooth, even finish with excellent flexibility, hardness, and water resistance.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
1K 50% Gloss Acrylic White	26.7	42.0	1.095	9.14	588.1	4.91
Lacquer Thinner	0.0	0.0	0.840	7.01	839.8	7.01

Properties
<ul style="list-style-type: none"> <li>• Smooth finish</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent flexibility</li> </ul>

Substrates
<ul style="list-style-type: none"> <li>• Concept 1K Timber Sealer</li> </ul>
<ul style="list-style-type: none"> <li>• Concept 1K Timber Primer White</li> </ul>
<ul style="list-style-type: none"> <li>• Concept 2K Timber Sealer (4:1)</li> </ul>
<ul style="list-style-type: none"> <li>• Concept 2K Timber Primer – White (4:1)</li> </ul>

## Substrate Preparation



### All Substrates

All surfaces must be thoroughly sanded prior to application. Ensure all surfaces are clean and free from loose particles.

## Product Preparation



### Reducer

100% (v/v) of Concept Lacquer 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

2-3

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



### DFT Recommended

40-50 µm  
1.6-2.0 mils



### Flash off time @ 25°C (77°F)

5-10 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, <b><u>when compared to similar technology products.</u></b>	
Hardness	Excellent
Water resistance	Excellent

Product Data	
Colour	White
Gloss @60°	50% (semi-gloss)
Theoretical Coverage	Approx. 5.0 m <sup>2</sup> /L (205 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	Product Name	Package Size
TI40660510020 TI8029200000X	1K 50% Gloss Acrylic White Lacquer Thinner	20L 4L, 20L

## Safety

For professional use only. Read and follow all label and Safety Data Sheet (SDS) precautions before opening or using. If mixed with other components, the mixture will have hazards of all individual components. Use approved respiratory protection and Personal Protective Equipment (PPE). Ensure adequate ventilation.

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This Technical Data Sheet supersedes all previous issues.

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