

Technical Data Sheet

Product Name	
Full Product Name	1K Timber Sealer
Type of Product	1K acrylic sealer
Description	Concept 1K Timber Sealer is a high performance 1K sanding sealer designed for use over a variety of wooden substrates. It is very fast drying, with good clarity, excellent filling, sanding, flexibility and hardness properties.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
1K Timber Sealer	14.2	19.9	0.932	7.78	746.2	6.22
Lacquer Thinner	0.0	0.0	0.840	7.01	839.8	7.01

Properties
<ul style="list-style-type: none"> • Excellent filling • Fast drying • Excellent flexibility • Easy to sand

Substrates
<ul style="list-style-type: none"> • Solid timber • Veneer • MDF • Particle board

Substrate Preparation



All Substrates

- Ensure all surfaces are clean and free from loose particles.
- Fill any imperfections with a suitable wood putty.
- Sand the surface with 180 Frecut, if required.
- Stain the surface, if required

Product Preparation



Reducer

Ready for use
Up to 10% (v/v) of Concept Lacquer Thinner may be added, if required



Pot life @ 25°C (77°F)

N/A



Spray viscosity @ 25°C (77°F)

BSB 4 Cup
Ford 4 Cup

20-22 s
17-19 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 two even full coats. Avoid heavy wet coats.



DFT Recommended



15-25 µm
06-1.0 mil



Flash off time @ 25°C (77°F)



5-10 min between coats

Product Preparation cont

	Drying	Air Dry @ 25°C (77°F)	60-70 min
	Sanding	Sand thoroughly with P220-P240 Frecut before applying finish coat.	

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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,
when compared to similar technology products.

Hardness	Excellent
Clarity	Good

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Product Data	
Colour	Semi transparent
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
TI1519000000X	1K Timber Sealer	4L, 20L
TI8319200000X	Lacquer Thinner	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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