

Technical Data Sheet

Product Name	
Full Product Name	2K Timber White (2:1) Full Gloss
Type of Product	2K polyurethane topcoat
Description	Concept 2K Timber White (2:1) Full Gloss is a high gloss 2K white topcoat for timber substrates. It is characterised by its superior flow, very high gloss and exceptional chemical resistance, flexibility and hardness.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
2K Timber White (2:1) Full Gloss	43.7	59.5	1.213	10.12	5491.5	4.10
2K Timber Hardener	41.9	48.4	1.005	8.39	517.7	4.32
2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36
2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27

Properties
<ul style="list-style-type: none"> Superior flow Excellent flexibility

Substrates
<ul style="list-style-type: none"> Concept 1K Timber Sealer Concept 2K Timber Sealer (4:1)

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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

	Mixing Ratio 2:1 (by volume)			Concept 2K Timber White (2:1) Full Gloss	Concept 2K Timber Hardener
				2 parts	1 part
	Reducer	5% (v/v) of Concept 2K Thinner may be added, if required			
	Pot life @ 25°C (77°F)	6-8 hours			
	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	50-60 µm 2.0-2.4 mils			
	Flash off time @ 25°C (77°F)	5-10 min between coats			

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Product Preparation cont



Drying

Air Dry
@ 25°C (77°F)

12-16 hours

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,
when compared to similar technology products.

Hardness

Excellent

Chemical resistance

Excellent

Product Data

Colour

White

Gloss

High-gloss

Theoretical Coverage

Approx. 8.0 m²/L (325 ft²/US gal) @ recommended DFT

Shelf Life

36 months in an unopened container
at room temperature away from sunlight.

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Product Packaging

Product Code 1	Product Code 2	Product Name	Package Size
A15/2KWHT	7766000	2K Timber White (2:1) Full Gloss	4L, 20L
A15/2KHARD	7939200	2K Timber Hardener	1L
A08C/2KTHS	8319100	2K Thinner Slow	4L, 20L, 60L
A08C/2KTHIN	8319200	2K Thinner	4L, 20L, 60L
A08C/2KTHF	8319300	2K Thinner Fast	4L, 20L, 60L

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.

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 (PPE). Ensure adequate ventilation.

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This Technical Data Sheet supersedes all previous issues.

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