

Technical Data Sheet

Product Name	
Full Product Name	707 ISO Free Clear
Type of Product	Isocyanate Free 2K Acrylic Clearcoat
Description	707 ISO Free Clear is a fast drying 2K acrylic clear coat that uses non isocyanate curing agents. It is suitable for most industrial and commercial applications, providing a non-yellowing, high gloss finish with excellent flow and durability.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
707 Iso Free Clear	38.2	46.2	0.960	8.06	606.5	5.06
307 Iso Free Hardener	35.4	40.9	0.966	8.38	520.1	4.34
831 2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
831 2K Thinner Normal	0.0	0.0	0.882	7.36	881.9	7.36
831 2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27

Properties
<ul style="list-style-type: none"> Isocyanate Free curing
<ul style="list-style-type: none"> Excellent levelling and flow and durability
<ul style="list-style-type: none"> Non yellowing

Substrates
<ul style="list-style-type: none"> Concept No Mix Basecoat system colours
<ul style="list-style-type: none"> Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels

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Substrate Preparation



All Substrates


All surfaces must be clean and free from any contamination prior to application.

Product Preparation



	Mixing Ratio 4:1 (by volume)		707 ISO Free Clear	307 ISO Free Hardener	
			4 parts	1 part	
	Reducer	Up to 20% (v/v) of Concept 831 2K Thinner, if required.			
	Pot life @ 25°C (77°F)	4-5 hours			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	19-21 s 16-18 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 light coat followed by two even full coats. Avoid heavy wet coats.		
	DFT Recommended	50-70 µm 2.0-2.8 mils			
	Flash off time @ 25°C (77°F)	5-10 min between coats			
	Drying	Air Dry @ 25°C (77°F)	12-16 hours		
		Low Bake @ 50°C (122°F)	30-40 min		

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	Drying	Air Dry @ 25°C (77°F)	12-16 hours
		Low Bake @ 50°C (122°F)	30-40 min
<p>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.</p>			

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.

Gloss	High
Durability	Excellent
Flow and Levelling	Excellent
Appearance	Non Yellowing

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Product Data	
Colour	Water white
Theoretical Coverage	Approx. 7.0 m ² /L (285 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
IN7079000000X	707 ISO Free 2K Clear	1L, 4L, 5L(Kit)
IN3079200000X	307 ISO Free Hardener	250mL, 1L
IN83191000020	831 2K Thinner Slow	20L
IN83192000020	831 2K Thinner Normal	20L
IN83193000020	831 2K Thinner Fast	20L

Safety
<p>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.</p> <p>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.</p>

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This Technical Data Sheet supersedes all previous issues.

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