

Technical Data Sheet

Product Name	
Full Product Name	739 MS Economy Clear (2:1)
Type of Product	2K Acrylic Urethane Clearcoat
Description	Concept 739 MS Economy Clear (2:1) is an economical, general-purpose, 2K acrylic urethane clearcoat, designed to produce an excellent final finish on a refinish repair without the high cost of materials, whilst providing all of the general characteristics of any typical 2K clear coat. Concept 739 MS Economy Clear (2:1) is characterised by excellent drying, curing, gloss, flow, final finish, with excellent chemical resistance and durability.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
739 MS Economy Clear (2:1)	37.9	43.3	1.001	8.36	568.3	4.74
213 MS Hardener Slow	35.4	40.9	1.004	8.38	593.8	4.96
213 MS Hardener Normal	33.3	39.9	0.986	8.23	593.1	4.95
213 MS Hardener Fast	33.6	40.2	0.968	8.08	578.3	4.83
213 MS Hardener Super Fast	31.5	38.9	0.938	7.83	572.7	4.78
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"> Economical
<ul style="list-style-type: none"> Fast drying
<ul style="list-style-type: none"> Excellent through cure
<ul style="list-style-type: none"> Excellent levelling, flow, chemical resistance and durability

Technical Data Sheet

Substrates

- Basecoat system colours
- Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels

Substrate Preparation















All Substrates

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



Technical Data Sheet

Product Preparation

	Mixing Ratio 2:1 (by volume)	739 MS Economy Clear (2:1)		213 Hardener		
		2 parts		1 part		
	Reducer	Up to 10% (v/v) of 831 2K Thinner Normal, if required.				
	Pot life @ 25°C (77°F)	4-5 hours				
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup	17-18 s			
		Ford 4 Cup	15-16 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)	20-30 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.

Technical Data Sheet

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, <u>when compared to similar technology products.</u>	
Gloss	Excellent
Chemical resistance	Excellent
Durability	Excellent

Product Data	
Colour	Water white
Theoretical Coverage	Approx. 8.5 m ² /L (345 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature, away from sunlight.

Technical Data Sheet

Product Packaging

Product Code	Product Name	Package Size
IN73990000004	739 MS Economy Clear (2:1)	4L
IN21391000001	213 MS Hardener Slow	1L
IN2139200000X	213 MS Hardener Normal	1L, 2.5L
IN21393000001	213 MS Hardener Fast	1L
IN21394000001	213 MS Hardener Super Fast	1L
IN83191000020	831 2K Thinner Slow	20L
IN83192000020	831 2K Thinner Normal	20L
IN83193000020	831 2K Thinner Fast	20L

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.

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This Technical Data Sheet supersedes all previous issues.

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