

Technical Data Sheet

Product Name	
Full Product Name	MS-100 2K Primer Grey
Type of Product	2K urethane primer
Description	Concepts' MS-100 2K Primer Grey is a 2K urethane primer, characterized by optimum curing, sanding and excellent filling properties, fast drying as well as adhesion to most substrates.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
MS-100 2K Primer Grey	47.9	68.9	1.469	12.26	457.4	3.82
MS Uni Hardener Slow	35.4	40.9	1.004	8.38	593.8	4.96
MS Uni Hardener Normal	33.9	39.9	0.986	8.23	593.1	4.95
MS Uni Hardener Fast	33.6	40.2	0.968	8.08	578.3	4.83
MS Uni Hardener Super Fast	31.5	38.9	0.938	7.83	572.7	4.78
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"> High filling with excellent sag resistance
<ul style="list-style-type: none"> Optimum thorough curing and drying
<ul style="list-style-type: none"> Excellent adhesion
<ul style="list-style-type: none"> Easy to sand with reduced paper clogging

Substrates

- Steel surfaces primed with Concept 103 Etch Primer or Concept 110 Metal Etch - Grey
- Aluminium surfaces primed with Concept 103 Etch Primer or Concept 110 Metal Etch - Grey
- Polyester spray filler
- Glass reinforced polyester (GRP & general types of fibreglass body parts)
- Sound, cured, cleaned and sanded existing surfaces

Substrate Preparation



All Substrates

All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application. Lightly rusted surfaces must be treated with Concept 025 Rust Converter.

Product Preparation

	Mixing Ratio 4:1 (by volume)			Concept MS-100 2K Primer Grey	Concept MS Universal Hardener
				4 parts	1 part
	Reducer	Up to 10% (v/v) of Concept 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	18-20 s 16-17 s		

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Product Preparation cont

Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
	Gravity feed	1.8-2.0 mm 0.071-0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	Suction feed	1.8-2.0 mm 0.071-0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	HVLP	1.5-1.8 mm 0.059-0.071"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch
	Airless Air Assisted Electrostatic	Consult the manufacturer's instructions.		
	Number of coats	2-3	Apply one coat followed by one or two even full coats. Avoid heavy wet coats.	
	DFT Recommended	50-80 µm 2.0-3.2 mils		
	Flash off time @ 25°C (77°F)	5 min between coats		
	Air Dry @ 25°C (77°F)	3-4 hours		
	Low Bake @ 50°C (122°F)	30-40 min		
	Sanding	Wet sand with P600-P800 before applying finish coat or Dry sand with P240 followed by P400-P500 using an orbital sander		
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,
when compared to similar technology products.

Hardness	Excellent
Flexibility	Excellent
Corrosion protection	Excellent
Sanding	Excellent

Product Data

Colour	Grey
Theoretical Coverage	Approx. 5 m ² /L (205 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
AU1396200000X	MS-100 2K Primer Grey	1L, 4L, 1.25L (Kit)
AU2139100000X	MS Uni Hardener Slow	500 mL, 1L
AU2139200000X	MS Uni Hardener Normal	500 mL, 1L
AU2139300000X	MS Uni Hardener Fast	500 mL, 1L
AU2139400000X	MS Uni Hardener Super Fast	500 mL, 1L
AU8319100000X	2K Thinner Slow	1L, 4L, 20L
AU8319200000X	2K Thinner	1L, 4L, 20L
AU8319300000X	2K Thinner Fast	1L, 4L, 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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