

Technical Data Sheet

Product Name	
Full Product Name	HS 2K Primer
Type of Product	2K high build acrylic urethane primer surfacer
Description	Concept HS 2K Primer is a high solid 2K acrylic urethane primer surfacer, characterized by excellent film build per coat, adhesion to properly prepared substrates and rust inhibiting properties. This product is designed specifically to give high filling properties with ease of sanding.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
HS 2K Primer Beige	51.9	73.2	1.585	13.23	424.9	3.55
HS 2K Primer Grey	52.6	73.5	1.580	13.19	419.0	3.50
HS 2K Primer White	55.6	75.9	1.629	13.59	392.9	3.28
HS 2K Primer Black	37.3	45.3	0.954	7.96	521.9	4.36
Primer Hardener	31.5	38.9	0.938	7.83	572.7	4.78
Primer Hardener – Fast	33.9	39.9	0.986	8.23	593.1	4.95
Infra-Red Primer Hardener	0.0	0.0	0.893	7.45	892.7	7.45
2K Thinner Slow	0.0	0.0	0.882	7.36	881.9	7.36

Properties
<ul style="list-style-type: none"> High film build per coat (high solids)
<ul style="list-style-type: none"> Excellent adhesion to properly prepared substrates
<ul style="list-style-type: none"> Easy to sand with reduced paper clogging
<ul style="list-style-type: none"> Excellent corrosion protection
<ul style="list-style-type: none"> Excellent drying and sag resistance

Substrates

- Mild 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 then 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 HS 2K Primer	Concept Primer Hardener
			4 parts	1 part
	Reducer	10-20% (v/v) of Concept 2K Thinner, if required.		
	Pot life @ 25°C (77°F)	2-3 hours		
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	25-27 s	22-23 s



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Product Preparation cont

 Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
	Gravity feed	2.0 mm 0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	Suction feed	2.0 mm 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 (up to 4)	Apply one coat followed by two even full coats. Avoid heavy wet coats.	
	DFT Recommended	50-80 µm (up to 100 µm) 2.0-3.2 mils (up to 4.0 mils)		
	Flash off time @ 25°C (77°F)	5 min between coats		
	Air Dry @ 25°C (77°F)	3-4 hours	50-80 µm (2.0-3.2 mils)	
	Low Bake @ 50°C (122°F)	16-24 hours	100 µm (4 mils)	
	Infra-Red Dry	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.

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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, <u>when compared to similar technology products.</u>	
Hardness	Excellent
Flexibility	Excellent
Corrosion protection	Excellent
Sanding	Excellent

Product Data	
Colour	Beige, Grey, White, Black.
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
AU1336100000X	HS 2K Primer Beige	1L, 4L,
AU13361000005N	HS 2K Primer Beige (Normal)	5LT (Kit)
AU13361000005F	HS 2K Primer Beige (Fast)	5KT (Kit)
AU1336200000X	HS 2K Primer Grey	4L,
AU13362000005N	HS 2K Primer Grey (Normal)	5LT (Kit)
AU13362000005F	HS 2K Primer Grey (Fast)	5LT (Kit)
AU1336000000X	HS 2K Primer White	4L,
AU13360000005N	HS 2K Primer White (Normal)	5LT (Kit)
AU13360000005F	HS 2K Primer White (Fast)	5LT (Kit)
AU13370000004	HS 2K Primer Black	4L
AU2339200000X	Primer Hardener	250 ml, 1L
AU2339300000X	Primer Hardener-Fast	250 mL, 1L
AU2269200000X	Infra-Red Primer Hardener	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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