

Technical Data Sheet

Product Name	
Full Product Name	HS 2K Primer (High Build)
Type of Product	2K high build acrylic urethane primer surfacer
Description	Concept HS 2K Primer (High Build) 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 (High Build) Beige	51.9	73.2	1.585	13.23	424.9	3.55
HS 2K Primer (High Build) Grey	52.6	73.5	1.580	13.19	419.0	3.50
HS 2K Primer (High Build) White	55.6	75.9	1.629	13.59	392.9	3.28
Primer Hardener	37.3	45.3	0.954	7.96	521.9	4.36
Primer Hardener – Fast	31.5	38.9	0.938	7.83	572.7	4.78
Infra-Red Primer Hardener	33.9	39.9	0.986	8.23	593.1	4.95
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

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 cleaned with Concept Wax & Grease Remover prior to application. Lightly rusted surfaces must be treated with Concept Light Rust & Metal Converter.

Product Preparation

	Mixing Ratio 4:1 (by volume)			Concept 2K HS Primer (High Build)	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		
	Drying	Air Dry @ 25°C (77°F)	3-4 hours 50-80 µm (2.0-3.2 mils) 16-24 hours 100 µm (4 mils)	
		Low Bake @ 50°C (122°F)	30-40 min	
	Infra-Red Dry	12-15min short wave; 18-22 min medium wave Use Infra-Red Primer Hardener		
	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 cleaner	

Dry Film Properties	
After 7 days drying, <u>when compared to similar technology products.</u>	
Hardness	Excellent
Flexibility	Excellent
Corrosion protection	Excellent
Durability	Excellent

Product Data	
Colour	Beige, Grey, White
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 1	Product Code 2	Product Name	Package Size
A03C/2KPRIMB	1336100	HS 2K Primer (High Build) Beige	1L, 4L, 10L (Kit x 2)
A03C/2KPRIMG	1336200	HS 2K Primer (High Build) Grey	4L, 10L (Kit x 2)
A03C/2KPRIMW	1336000	HS 2K Primer (High Build) White	4L, 10L (Kit)
A04C/PRIMH	2559200	Primer Hardener	250 ml, 1L
A04C/PRIMHF	2559300	Primer Hardener-Fast	250 mL, 1L
A04C/PRIMHINF	2569200	Infra-Red Primer Hardener	1L
A08C/2KTHS	8319100	2K Thinner Slow	1L, 4L, 20L
A08C/2KTHIN	8319200	2K Thinner	1L, 4L, 20L
A08C/2KTHF	8319300	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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