

# Technical Data Sheet

Product Name	
Full Product Name	<b>HS 2K Bar Primer - Grey</b>
Type of Product	2K polyurethane primer surfacer for bumper bars
Description	Concepts' HS 2K Bar Primer - Grey is a two-in-one primer surfacer designed specifically for use on flexible bumper bars. It is characterised by high film build, excellent adhesion, flexibility, and ease of sanding.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
HS 2K Bar Primer - Grey	52.1	72.5	1.538	12.84	423.0	3.53
Bar Primer Hardener (4:1)	31.5	38.9	0.938	7.83	572.7	4.78
2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27
031 2K Accelerator	0.9	1.1	0.877	7.32	866.8	7.23

Properties
<ul style="list-style-type: none"> <li>• Excellent Flexibility</li> </ul>
<ul style="list-style-type: none"> <li>• High build</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent levelling and flow</li> </ul>
<ul style="list-style-type: none"> <li>• Easy to sand</li> </ul>

Substrates
<ul style="list-style-type: none"> <li>• New and after market bumper bars</li> </ul>
<ul style="list-style-type: none"> <li>• Concept Plastic Primer</li> </ul>
<ul style="list-style-type: none"> <li>• Polyester spray filler</li> </ul>
<ul style="list-style-type: none"> <li>• Glass reinforced polyester (GRP &amp; general types of fibreglass body parts)</li> </ul>
<ul style="list-style-type: none"> <li>• Sound, cured and properly prepared existing surfaces</li> </ul>

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## Substrate Preparation



### All Substrates


- All surfaces must be thoroughly sanded and then cleaned with Concept Antistatic Cleaner prior to application.
- Spray one to two coats of Concept Plastic Primer and allow to flash off for 20 minutes.

## Product Preparation

	<b>Mixing Ratio</b> 4:1 (by volume)	<b>Concept HS 2K Bar Primer - Grey</b>		<b>Concept Bar Primer Hardener (4:1)</b>	
		4 parts		1 part	
	<b>Reducer</b>	Up to 20% (v/v) of Concept 2K Thinner Fast. Add 5% Concept 031 2K Accelerator, if needed			
	<b>Pot life</b> @ 25°C (77°F)	2-3 hours			
	<b>Spray viscosity</b> @ 25°C (77°F)	<b>BSB 4 Cup</b> <b>Ford 4 Cup</b>	25-27 s 22-24 s		
	<b>Spray equipment</b>	<b>Gun type</b>	<b>Fluid tip</b>	<b>Spray pressure</b>	<b>Spray Distance</b>
		<b>Gravity feed</b>	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
		<b>Suction feed</b>	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
		<b>HVLP</b>	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
	<b>Number of coats</b>	2-3	Apply one coat followed by one or two even full coats. Avoid heavy wet coats.		
	<b>DFT Recommended</b>	40-60 µm 1.6-2.4 mils			
	<b>Flash off time</b> @ 25°C (77°F)	5 min between coats			



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## Product Preparation cont.

 <b>Drying</b>	<b>Air Dry</b> @ 25°C (77°F)	To handle: 3-4 hours
	<b>Low Bake</b> @ 60°C (140°F)	30-40 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.

## 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.**

<b>Hardness</b>	Excellent
<b>Flexibility</b>	Excellent
<b>Sanding</b>	Excellent

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Product Data	
Colour	Grey
Gloss	Matt
Theoretical Coverage	Approx. 5.5 m <sup>2</sup> /L (225 ft <sup>2</sup> /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
AU16262000004	HS 2K Bar Primer - Grey	4L
AU16292000001	Bar Primer Hardener (4:1)	1L
AU8319300000X	2K Thinner Fast	1L, 4L, 20L
AU03190000001	031 2K Accelerator	1L

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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