

Technical Data Sheet

Product Name	
Full Product Name	2K Bumper Bar Paint
Type of Product	2K polyurethane coating for bumper bars
Description	Concept 2K Bumper Bar Paint is a flexible factory pack coating, designed specifically for use on bumper bars

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
2K Bumper Bar Paint Black	40.3	52.6	1.164	9.71	551.2	4.60
2K Bumper Bar Paint EA Grey	41.7	55.3	1.188	9.91	531.8	4.44
2KBumper Bar Paint VN Grey	41.4	53.9	1.165	9.73	537.5	4.49
Universal (MS) Fast Hardener	31.5	33.6	0.968	8.08	578.3	4.83
2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27
2K Accelerator	0.9	1.1	0.877	7.32	866.8	7.23

Properties
<ul style="list-style-type: none"> • Excellent Flexibility
<ul style="list-style-type: none"> • Low gloss
<ul style="list-style-type: none"> • Excellent through cure
<ul style="list-style-type: none"> • Excellent levelling and flow
<ul style="list-style-type: none"> • Excellent chemical resistance and durability

Substrates
<ul style="list-style-type: none"> • New bumper bars primed with Concept Plastic Primer
<ul style="list-style-type: none"> • Concept HS Bumper Bar 2K Primer Grey
<ul style="list-style-type: none"> • Sound, cured and properly prepared existing surfaces

Substrate Preparation



All Substrates

Except for surfaces primed with Concept Plastic Primer, all surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application.

Product Preparation

	Mixing Ratio 2:1 (by volume)	Concept 2K Bumper Bar colour		Concept Universal (MS) Fast Hardener	
		2 parts		1 part	
	Reducer	Up to 10% (v/v) of Concept 2K Thinner Fast, if required. Add 5% Concept 2K Accelerator, if needed			
	Pot life @ 25°C (77°F)	2-3 hours			
	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	18-20 s 16-17 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 one or two even full coats. Avoid heavy wet coats.		
	DFT Recommended	50-60 µm 2.0-2.4 mils			
	Flash off time @ 25°C (77°F)	5 min between coats			

Technical Data Sheet

Product Preparation cont



Drying

Air Dry
@ 25°C (77°F)

To handle: 2-3 hours
Full cure 16-24 hours

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 cleaner

Dry Film Properties

After 7 days drying,
when compared to similar technology products.

Hardness

Excellent

Flexibility

Excellent

Durability

Excellent

Product Data

Colour

Black, EA Grey, VN Grey

Gloss

Matt

Theoretical Coverage

Approx. 3 m²/L (120 ft²/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
A03D/2KBBLACK	1827000	2K Bumper Bar Paint Black	4L
A03D/2KBEA	1826024	2K Bumper Bar Paint EA Grey	4L
A03D/2KBVN	1826025	2K Bumper Bar Paint VN Grey	4L
A04C/UNIMSF	2139300	Universal (MS) Fast Hardener	250 ml, 1L
A08C/2KTHF	8319300	2K Thinner Fast	1L, 4L, 20L
A04C/2KACC	0319000	2K Accelerator	1L

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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