



# Technical Data Sheet

## Black Pearl Basecoat

1K Effect Basecoat

Date: 21<sup>st</sup> October 2016

Version:01

Product Name	
Full Product Name	<b>Black Pearl Basecoat</b>
Type of Product	1K effect basecoat
Description	Spray Chief Black Pearl Basecoat is an effect basecoat, uniquely available from Spray Chief, and characterised by an unmatched finish, where the pearl particle is only highlighted by direct light, whilst in the shade it remains a deep shade of black. It is available in a range of different effects. When clear coated with Spray Chief's 2K Clear (HS) 2:1, a high gloss finish with excellent durability is achieved.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
Black Pearl Aqua Basecoat	18.7	25.0	0.978	8.16	732.9	6.12
Black Pearl Blue Basecoat	18.7	25.0	0.978	8.16	732.9	6.12
Black Pearl Copper Basecoat	18.7	25.0	0.978	8.16	732.9	6.12
Black Pearl Gold Basecoat	18.7	25.0	0.978	8.16	732.9	6.12
Black Pearl Green Basecoat	18.7	25.0	0.978	8.16	733.0	6.12
Black Pearl Lilac Basecoat	18.7	25.0	0.978	8.16	732.9	6.12
Black Pearl Platinum Basecoat	18.7	25.0	0.978	8.16	732.9	6.12
Black Pearl Red Basecoat	18.7	25.0	0.978	8.16	732.9	6.12
Basecoat Reducer	17.0	23.4	0.963	8.04	737.7	6.16
2:1 MS Hardener	0.0	0.0	0.879	7.33	878.9	7.33

Properties
<ul style="list-style-type: none"> <li>Effect basecoat</li> </ul>



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### Substrates

- Spray Chief Epoxy Primer (4:1) Black (Only)
- Spray Chief 1K Etch Primer Black








### Substrate Preparation



All Substrates

All surfaces must be clean and free from any contamination prior to application.

### Product Preparation

 <b>Mixing Ratio</b> 5% (by volume)	<b>Spray Chief Black Pearl Basecoat</b> 100 parts		<b>Spray Chief 2:1 MS Hardener</b> 5 parts	
	<b>Note:</b> <u>This step is optional</u> 5% (v/v) of Spray Chief 2:1 MS Hardener can be added to the Black Pearl Basecoat colour, before thinning, to activate it, if required.			
 <b>Reducer</b>	50-80 (v/v) of Spray Chief Basecoat Reducer.			
 <b>Pot life</b> @ 25°C (77°F)	N/A			
 <b>Spray viscosity</b> @ 25°C (77°F)	<b>BSB 4 Cup</b> <b>Ford 4 Cup</b>	17-18 s 15-16 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



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



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
### Product Preparation cont

	<b>Application Notes</b>	<ul style="list-style-type: none"> <li>• For best finish, adhesion and durability, mix Spray Chief Black Pearl Basecoat with 5% by volume of Spray Chief 2:1 MS Hardener, before adding the reducer.</li> <li>• Apply approximately 2 to 4 even coats.</li> <li>• Allow 5-10 min flash-off, before applying the next coat.</li> <li>• Allow an ample flash off time (approximately 20-30 min or until touch dry) before applying Spray Chief's 2K Clear (HS) 2:1 (See the relevant Technical Data Sheet).</li> </ul>		
	<b>DFT Recommended</b>	20-25 µm 0.8-1.0 mil		
	<b>Flash off time @ 25°C (77°F)</b>	5-10 min between coats		
	<b>Drying</b>	<table border="1"> <tr> <td data-bbox="502 1086 726 1176"> <b>Air Dry @ 25°C (77°F)</b> </td> <td data-bbox="726 1086 1453 1176">                     20-30 min                 </td> </tr> </table>	<b>Air Dry @ 25°C (77°F)</b>	20-30 min
<b>Air Dry @ 25°C (77°F)</b>	20-30 min			
	<b>Sanding</b>	Lightly sand with P1200 W/D before clearcoating.		
	<b>Overcoating</b>	Overcoat with Spray Chief's 2K Clear (HS) 2:1 or 2K Clear (4:1).		

Spray Chief has no control over the thickness or application of the product being applied nor the conditions under which it is being used. These instructions are a guide only and a test panel is recommended before use.

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.



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### Equipment Cleaning

Use recommended Spray Chief cleaner

### Dry Film Properties

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

Colour Effect

Excellent

### Product Data

Colour

Aqua, Blue, Copper, Gold, Green, Lilac, Platinum, Red.

Theoretical Coverage

Approx. 8 m<sup>2</sup>/L (325 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 1	Product Code 2	Product Name	Package Size
A16/BPACOB	8544003	Black Pearl Aqua Basecoat	1L
A16/BPBCOB	8544004	Black Pearl Blue Basecoat	1L
A16/BPCCOB	8543009	Black Pearl Copper Basecoat	1L
A16/BPGCOB	8541009	Black Pearl Gold Basecoat	1L
A16/BPGRCOB	8545012	Black Pearl Green Basecoat	1L
A16/BPLCOB	8543010	Black Pearl Lilac Basecoat	1L
A16/BPPCOB	8547009	Black Pearl Platinum Basecoat	1L
A16/BPRCOB	8543011	Black Pearl Red Basecoat	1L
A16/BCTHIN	8699200	Basecoat Reducer	1L, 4L, 20L
A16/2:1HARDMS	8899200	2:1 MS Hardener	500mL, 1L



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### 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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