



# Technical Data Sheet

**2K Snow Pearl (2:1)**

**2K Super Snow (2:1)**

2K Acrylic Urethane Topcoat

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

Version:01

| Product Name      |  |
|-------------------|--|
| Full Product Name | <b>2K Snow Pearl (2:1)</b><br><b>2K Super Snow (2:1)</b>   |
| Type of Product   | 2K acrylic urethane Topcoat  |
| Description       | Spray Chief 2K Snow Pearl (2:1) and 2K Super Snow (2:1) are unique pearlescent effect paints, which utilise light interfering pigments, to produce an optical effect finish. When used over Concept Paint's No Mix Basecoat, both products evolve from an interaction between the reflection of light in conjunction with the colour of the base to generate a finish which is either a brilliant lustre or soft velvety sheen. When clear coated with Spray Chief's 2K Clear (HS) 2:1, a high gloss finish with excellent durability and depth is achieved. |

| Products            |                    |                    |         |            |       |            |
|---------------------|--------------------|--------------------|---------|------------|-------|------------|
| Product Name        | Volume Solids<br>% | Weight Solids<br>% | Density |            | VOC   |            |
|                     |                    |                    | g/mL    | lbs/US gal | g/L   | lbs/US gal |
| 2K Snow Pearl (2:1) | 51.9               | 57.9               | 1.017   | 8.49       | 428.8 | 3.58       |
| 2K Super Snow (2:1) | 51.9               | 57.9               | 1.017   | 8.49       | 428.8 | 3.58       |
| 2:1 MS Hardener     | 33.9               | 39.9               | 0.986   | 8.23       | 593.1 | 4.95       |
| 2K Thinner          | 0.0                | 0.0                | 0.882   | 7.36       | 881.9 | 7.36       |

| Properties   |
|--|
| <ul style="list-style-type: none"> <li>Pearlescent effect</li> </ul> |

| Substrates  |
|---|
| <ul style="list-style-type: none"> <li>Spray Chief Epoxy Primer (4:1) Black, White or Grey</li> </ul> |
| <ul style="list-style-type: none"> <li>Concept Paints No Mix Basecoat</li> </ul>                      |



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## Substrate Preparation



### All Substrates

- All surfaces must be thoroughly sanded and cleaned with a suitable Wax & Grease Remover prior to application.
- Depending on the finish required, apply an appropriate base before the application of on which Spray Chief's 2K Snow Pearl (2:1) or 2K Super Snow (2:1). Refer to relevant Technical Data Sheet.

## Product Preparation

|  |   |   |                            |   |                       |
|--|---|---|----------------------------|---|-----------------------|
|  | <b>Mixing Ratio</b><br>2:1 (by volume)  | <b>Spray Chief</b><br>2K Snow Pearl (2:1) or<br>2K Super Snow (2:1) |                            | <b>Spray Chief</b><br>2:1 MS Hardener   |                       |
|  |   | 2 parts   |                            | 1 part                                  |                       |
|  | <b>Reducer</b>                          | Up to 10% (v/v) of Spray Chief 2K Thinner, if required              |                            |   |                       |
|  | <b>Pot life</b><br>@ 25°C (77°F)        | 2-3 hours   |                            |   |                       |
|  | <b>Spray viscosity</b><br>@ 25°C (77°F) | <b>BSB 4 Cup</b><br><b>Ford 4 Cup</b>                               | 18-20 s<br>16-17 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<br>0.051-0.055" | 200-240 kPa<br>2.0-2.4 bar<br>30-35 psi | 15-20 cm<br>6-8 inch  |
|  |   | <b>Suction feed</b>   | 1.3-1.4 mm<br>0.051-0.055" | 200-240 kPa<br>2.0-2.4 bar<br>30-35 psi | 15-20 cm<br>6-8 inch  |
|  |   | <b>HVLP</b>   | 1.2-1.3 mm<br>0.047-0.051" | 40-70 kPa<br>0.4-0.7 bar<br>6-10 psi    | 15-20 cm<br>6-8 inch  |



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**2K Snow Pearl (2:1)**



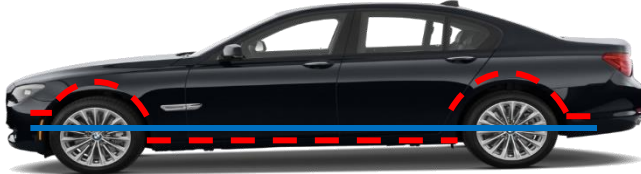



**2K Super Snow (2:1)**

2K Acrylic Urethane Topcoat

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

Version:01

## Product Preparation cont

|   |  |  |  |
|---|--|--|--|
|    | <p><b>Number of coats</b></p>              | <p>2-3</p>   | <ul style="list-style-type: none"> <li>• Apply one medium to wet coat of the product, allowing 5 to 10 minutes to flash off, or until touch dry.</li> <li>• Then apply up to two to three even medium to wet coats, with a minimum 50% overlap spray pattern.</li> <li>• Allow each coat to flash off for 5 to 10 minutes at 25°C, before applying the next coat.</li> </ul> |
|    | <p><b>Application Notes:</b></p>           | <ul style="list-style-type: none"> <li>• As this is a multiple coat system, it is very important to take your time when applying the required coats to achieve the colour depth required. To achieve the best finish, each coat must be applied evenly.</li> <li>• Allow sufficient flash-off time (approx. 20-30 min, or until touch dry), before applying Spray Chief 2K Clear (HS) 2:1.</li> <li>• In order to avoid patchiness and streaking in the colour, the paint must be applied to achieve uniform thickness over the entire vehicle. Entire side of the vehicle must be sprayed, as per the diagram:</li> </ul> <div style="text-align: center;">  <p>————— Right      - - - - - Wrong</p> </div> <p><b>Warning:</b></p> <ul style="list-style-type: none"> <li>• The spraying environment must be clean and free from any dust particles, as any particle landing in either of these products will be highlighted dramatically in the finished product.</li> </ul> |  |
|    | <p><b>DFT Recommended</b></p>              | <p>40-50 µm<br/>1.6-2.0 mils</p>   |  |
|    | <p><b>Flash off time @ 25°C (77°F)</b></p> | <p>5-10 min between coats.<br/>20-30 min before overcoating.</p>   |  |
|    | <p><b>Overcoating</b></p>                  | <p>Overcoat with Spray Chief's 2K Clear (HS) 2:1 after 20-30 min final flash off, or until touch dry.</p>  |  |
| <p>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.</p> <p>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.</p> |  |  |  |



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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 Spray Chief cleaner

## Dry Film Properties

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

Colour Effect

Excellent

Durability

Excellent

## Product Data

Colour

Snow Pearl, Super Snow

Theoretical Coverage

Approx. 9 m<sup>2</sup>/L (365 ft<sup>2</sup>/US gal) @ recommended DFT

Shelf Life

36 months in an unopened container  
at room temperature away from sunlight.



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## Product Packaging

| Product Code 1 | Product Code 2 | Product Name        | Package Size |
|----------------|----------------|---------------------|--------------|
| A16/SP2:1      | 8786021        | 2K Snow Pearl (2:1) | 1.5L (Kit)   |
| A16/SS2:1      | 8786022        | 2K Super Snow (2:1) | 1.5L (Kit)   |
| A16/2:1HARDMS  | 8899200        | 2:1 MS Hardener     | 500mL, 1L    |
| A16/2KTHIN     | 8949200        | 2K Thinner          | 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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