

# Product Data Sheet

December 2020

INTERNATIONAL MASTER FOR PROFESSIONAL USE ONLY

## H5672

### Premium Surfacer P565-5701, P565-5705 & P565-5707 (with P210-8815 HS+ Hardener)

<i>Product</i>	<i>Description</i>
P565-5701	Premium Surfacer – White Spectral Grey 01
P565-5705	Premium Surfacer – Grey Spectral Grey 05
P565-5707	Premium Surfacer – Dark Grey Spectral Grey 07
P210-8815	2K HS+ Hardener
P850-1692/1693/1694/1695	2K Low VOC Thinners
P100-2020	Flexible Additive for Plastics

#### Product Description

P565-5701, P565-5705 and P565-5707 (P565-570X Premium Surfacers) are 2K HS acrylic primer surfacers, designed for use under NEXA AUTOCOLOR® 2K topcoats (P420/P421/P471), 2K Basecoats (P422), Aquabase Plus (P989). 2K topcoat systems. They are easy to apply and sand and give excellent final appearance.

A range of Spectral Grey primers can be achieved using P565-5701/5705/5707, which ensure that high quality colour matches can be achieved quickly and easily while optimising topcoat usage.

## SUBSTRATES AND PREPARATION

The P565-570X surfacers should only be applied over:

Well sanded and degreased bare steel. Use *Nexa Autocolor* 2-pack Etch Primer or 2-pack Epoxy Primer for maximum durability. Aluminium **must** be Etch or Epoxy primed.

Well sanded GRP, polyester fillers works primer and old finishes in sound condition.

Good preparation is vital in order to obtain the best results from these products. The following grades of sanding paper are recommended for substrate preparation: -

Wet or dry paper	P280 - P320 (GRP P400)
Dry machine sanding	P180 - P240

**NOTE:** Not recommended for spot repairs over thermoplastic acrylic, old lacquer finishes or sensitive substrates. Over these substrates, apply to complete panels only.







Process	
	<p><b>Air-dry at 20°C:</b> 3 – 4 hours</p> <p><b>Air-dry below 20°C:</b> Overnight</p>
	<p><b>Baking at a metal temperature of 60°C:</b> 20 – 30 minutes depending on film thickness</p>
	<p><b>Medium Wave:</b> 12 minutes</p> <p>Allow P565-570X surfacers to flash off for 5 minutes before drying with the infrared lamp. Drying times will depend on the type of infrared lamp used.</p>
	<p><b>Finish with the following grades: -</b></p> <p>P360 or finer: Single layer solid colours (Direct Gloss) P400 or finer: Basecoats</p>
	<p><b>Finish with the following grades: -</b></p> <p>P600 or finer: Single layer solid colours (Direct Gloss) P800 or finer: Basecoats</p>
<p><b>TOPCOAT</b></p>	<p>P565-570X surfacers can be directly topcoated with <i>Nexa Autocolor</i> 2K topcoats (P420/P421/P471), 2K basecoats (P422) &amp; Aquabase Plus (P989).</p> <p>If P565-570X surfacers are left for more than 2 days after sanding, they should be sanded again prior to application of further undercoat or topcoat.</p>

## Process

### PAINTING PLASTICS

P565-570x primer fillers may be applied over primed plastic.  
 If P565-570x primer fillers are applied over a flexible plastic, e.g. PP/EPDM, PBT (Pocan) or PUR then they must be mixed as follows: -

P565-570x 5 parts  
 P100-2020 (Flexible additive for plastics) 1 part  
Then activate and thin in the normal manner.

Addition of P100-2020 can cause a reduction in the drying and sanding performance.  
 For more detailed information on the painting of plastic substrates, refer to the Painting Plastics PDS.

### SPECTRAL GREYS

For each of the Spectral Grey primer variants specified the following mixing ratio applies:

SG1	P565-5701	100
SG3	P565-5701	75
	P565-5705	25
SG5	P565-5705	100
SG6	P565-5705	30
	P565-5707	70
SG7	P565-5707	100

### CHOICE OF THINNER

The choice of thinner should be made according to application temperature, air movement and size of job. The recommendations below are for guidance only :-

<b>Thinner:</b>	<b>Ideal temperature range:</b>
P850-1692	Below 20°C
P850-1692/-1693	15 - 25°C
P850-1693	20 - 30°C
P850-1693/-1694	25 - 35°C
P850-1694	30 - 40°C
P850-1695	Above 35°C





## Process

Weight Activations for use with HS hardeners (P210-8815)  
Ratio 7 : 1 : 1 - 2

1 Litre RFU Sprayable Volume (@ 7 : 1 : 2 ratio)	Please note the weights are cumulative. Do not tare or zero scale between additions			
<b>SG 01</b>	<b>Wt. Primer P565-5701 Grams (7 Parts)</b>	<b>Wt Hardener P210-8815 Grams (1 Part)</b>	<b>Wt. Thinner P850-1692/3/4/5 Grams (1 Part)</b>	<b>Wt. Thinner P850-1692/3/4/5 Grams (2 Parts)</b>
1.0 L	1078	1184	1266	1384
<b>SG 05</b>	<b>Wt. Primer P565-5705 Grams (7 Parts)</b>	<b>Wt Hardener P210-8815 Grams (1 Part)</b>	<b>Wt. Thinner P850-1692/3/4/5 Grams (1 Part)</b>	<b>Wt. Thinner P850-1692/3/4/5 Grams (2 Parts)</b>
1.0 L	1077	1183	1266	1346
<b>SG 07</b>	<b>Wt. Primer P565-5707 Grams (7 Parts)</b>	<b>Wt Hardener P210-8815 Grams (1 Part)</b>	<b>Wt. Thinner P850-1692/3/4/5 Grams (1 Part)</b>	<b>Wt. Thinner P850-1692/3/4/5 Grams (2 Parts)</b>
1.0 L	959	1065	1147	1229

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## Roll Prime Process

	<table border="0"> <tr> <td>P565-5701/5705/5707</td> <td>7 parts</td> </tr> <tr> <td>P210-8815</td> <td>1 part</td> </tr> <tr> <td>P850-1692/3/4/5</td> <td>0.25 parts</td> </tr> </table>	P565-5701/5705/5707	7 parts	P210-8815	1 part	P850-1692/3/4/5	0.25 parts
P565-5701/5705/5707	7 parts						
P210-8815	1 part						
P850-1692/3/4/5	0.25 parts						
	<p>Pot-life: 40 min at 20°C                  Note: It is recommended to use the material immediately after mixing.</p> <p>Clean roller tray immediately after use.</p>						
<p><b>APPLICATION</b></p>	<ol style="list-style-type: none"> <li>1. Use of good quality high density foam rollers is essential. Use of a suitable roller tray allows easy control of paint loading on the roller.</li> <li>2. Load the roller from a suitable roller tray. Removed excess paint from the roller.</li> <li>3. The first coat covers the largest area. Subsequent coats cover smaller areas.</li> <li>4. Apply paint from the centre of the repair patch, rolling outwards using light pressure.</li> <li>5. Use the roller with less paint loading to fade hard edges of each coat.</li> <li>6. Allow the paint to flow out on the panel; avoid over- working, which can leave an uneven surface.</li> </ol> <p>When one coat becomes matt, it is ready for the next coat.</p>						
	<p>Number of coats: Apply 4 coats to give a film thickness of 75 - 125 microns (3 - 5 thou.)</p> <p><b>Between Coats:</b> Approx. 5 minutes depending on spraying conditions</p>						
	<p><b>Drying Times</b>  <b>Air-dry at 20°C:</b> 3 - 4 hours (Depending on film thickness)</p> <p><b>Stoving at a metal temperature of 60°C :</b> 20 - 30 minutes</p> <p><b>Infra-red drying</b> times given require the short wave infra-red lamp to be positioned 70-100 cm away from the panel. Use IR unit on half power for 5 minutes before applying full power for approximately 15 minutes. Drying times will depend on the type of infra-red lamp used.</p> <p>Drying time will depend on film thickness.</p>						



## Roll Prime Process

Weight Activations for use with HS hardener (P210-8815) Ratio 7 : 1 : 0.25 for roller application			
1 Litre RFU for Roll application (@ 7 : 1 : 0.25 ratio)	Please note the weights are cumulative. Do not tare or zero scale between additions		
SG 01	P565-5701 Grams (7 Parts)	Wt Hardener P210-8815 Grams (1 Part)	Wt. Thinner P850-1692/3/4/5 Grams (0.25 Parts)
1.0 L	1307	1435	1460
SG 05	P565-5705 Grams (7 Parts)	Wt Hardener P210-8815 Grams (1 Part)	Wt. Thinner P850-1692/3/4/5 Grams (0.25 Parts)
1.0 L	1305	1433	1458
SG 07	P565-5707 Grams (7 Parts)	Wt Hardener P210-8815 Grams (1 Part)	Wt. Thinner P850-1692/3/4/5 Grams (0.25 Parts)
1.0 L	1162	1291	1316

These products are for professional use only and are not to be used for purposes other than those specified. The information on this TDS is based on present scientific and technical knowledge, and it is the responsibility of the user to take all necessary steps in order to ensure the suitability of the product for the intended purpose.

For Health and Safety information please refer to the material Safety Data Sheet, also available at: [www.nexaautocolor.com](http://www.nexaautocolor.com)

**For further information please contact:**

Customer Service Sales Group  
 PPG Industries (UK) Ltd  
 Needham Road  
 Stowmarket  
 Suffolk IP14 2AD  
 Tel: 01449 771771  
 Fax: 01449 773472

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