

Product Data Sheet

November 2006



FOR PROFESSIONAL USE ONLY

H5620V

HS+ Primer Filler P565-5301, P565-5305 & P565-5307

<i>Product</i>	<i>Description</i>
P565-5301	HS+ Primer Filler – White Spectral Grey 01
P565-5305	HS+ Primer Filler – Grey Spectral Grey 05
P565-5307	HS+ Primer Filler – Dark Grey Spectral Grey 07
P210-832/-796/-798	2K MS Hardener – Fast/Medium-Fast/Medium
P850-1692/1693/1694	2K Low VOC Thinners
P100-2020	Flexible Additive for Plastics

Product Description

P565-5301, P565-5305 and P565-5307 (P565-530X primer fillers) are 2K HS acrylic primer fillers, designed for use under 2K HS Plus Topcoat (P471) or Aquabase™ Basecoat (P965). They are easy to apply and sand and give excellent final appearance and durability.

A range of Spectral Grey primers can be achieved using P565-5301/5305/5307, which ensure that high quality colour matches can be achieved quickly and easily while optimising topcoat usage.

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SUBSTRATES AND PREPARATION

The P565-530x primer fillers 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-P220

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>P565-5301/5305/5307 5 parts P210-832/796/798 1 part P850-16XX 2K Low VOC Thinner 1 part</p>
	<p>NOTE: DO NOT add Accelerators</p>
	<p>Activated viscosity: 20 - 25 secs DIN4 @ 20°C Pot-life: 45 - 60 min at 20°C Clean gun immediately after use</p>
	<p>Fluid Tip Gravity Fed: 1.6 - 1.8 mm Inlet Pressure: Refer to spraygun manufacturers recommendation (normally 2 bar / 30 psi).</p>
	<p>Fluid Tip Gravity Fed: 1.6 - 1.8 mm Pressure: Refer to spraygun manufacturers recommendation (0.7 bar / 10 psi max at air cap).</p>
	<p>2-4 coats to give a film thickness of 75 - 200 microns NB: Film build depends on thinner addition and fluid tip size.</p>
	<p>Between coats: Approx. 5 - 7 minutes depending on spraying conditions Before Force Drying: Approx. 5 - 7 minutes depending on film thickness applied</p>

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	<p>Air-dry at 20°C:</p> <ul style="list-style-type: none"> 2 - 3 hours 75-100 microns 3 - 4 hours 100-150 microns 4 - 6 hours 150-200 microns <p>Baking at a metal temperature of 60°C: 20 - 30 minutes depending on film thickness</p>
	<p>Short wave: 8-12 minutes</p> <p>Medium Wave: 12 minutes</p> <p>Infrared drying times given require the short wave infrared lamp to be positioned 70-100 cm away from the panel. Allow P565-530x primer fillers 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>Finish with the following grades: -</p> <p>P360 or finer: Solid colours / single layer metallic colours P400 or finer: Basecoats</p>
	<p>Finish with the following grades: -</p> <p>P600 or finer: Solid colour P800 or finer: Single layer metallic colours P800 or finer: Basecoats</p>
<p>TOPCOAT</p>	<p>P565-530x primer fillers can be directly topcoated with 2K HS Plus Topcoat (P471) or Aquabase™ basecoat (P965).</p> <p>If P565-530x primer fillers are left for more than 2 days after sanding, they should be sanded again prior to application of further undercoat or topcoat.</p>

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PAINTING PLASTICS

P565-530x primer fillers may be applied over primed plastic.

If P565-530x primer fillers are applied over a flexible plastic, e.g. PP/EPDM, PBT (Pocan) or PUR then they must be mixed as follows: -

P565-530x 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:

	Product number	Mix % (by wt.)	Mix Parts	Mix by Target Weight		
				100g	250g	500g
SG1	P565-5301	100		100g	250g	500g
SG3	P565-5301	50	1	50g	125g	250g
	P565-5305	50	1	50g	125g	250g
SG3	P565-5301	90	9	90g	225g	450g
	P565-5307	10	1	10g	25g	50g
SG5	P565-5305	100		100g	250g	500g
SG5	P565-5301	75	3	75g	187.5g	375g
	P565-5307	25	1	25g	62.5g	125g
SG6	P565-5305	40	2	40g	100g	200g
	P565-5307	60	3	60g	150g	300g
SG6	P565-5301	33	1	33g	83g	167g
	P565-5307	67	2	67g	167g	333g
SG7	P565-5307	100		100g	250g	500g



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CHOICE OF THINNER

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

Thinner Ideal temperature range:

P850-1692	Below 20°C
P850-1692/-1693	15-25°C
P850-1693	20-30°C
P850-1693/-1694	25-35°C
P850-1694	Above 35°C

VOC INFORMATION

The EU limit value for this product (product category: IIB.c) in ready to use form is max. 540g/litre of VOC.

The VOC content of this product in ready to use form is max. 540g/litre.

Depending on the chosen mode of use, the actual ready to use VOC of this product may be lower than that specified by the EU Directive code.

Note:

Combinations of this product with P100-2020 will produce a paint film with special properties as defined by the EU Directive code.

In these specific combinations: The EU limit value for this product (product category: IIB.e) in ready to use form is max. 840g/litre of VOC. The VOC content of this product in ready to use form is max. 840g/litre.

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: http://www.ppg.com/Autocolor_MSDS

For further information please contact:

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