Engineering News Bulletin

Subject: **Titanium Dioxide Obsolescence Update Effecting EMEA Primers (see attachment 1)**

Coatings ES Bulletin No. C-ESB-26-52
C-ESB-25-21 status update

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Summary:

Due to raw material discontinuation, the Titanium Dioxide Pigment (CAS No 13463-67-7) used in PPG EMEA, for manufacture of a number of primers will be replaced by a new Titanium Dioxide pigment (under the same CAS number).

Detail:

The current supplier will shut down production in their manufacturing site based in Germany due to (Chapter 11 Bankruptcy). PPG have updated raw materials stock and now have coverage of the pigment to cover primer manufactured until the end of November 2027 (dependant on sales volumes).

The Titanium Dioxide pigment is inert and takes no part in the primer reaction, it is used at around 5 to 15% by weight as part of the pigment blend to provide the characteristic primer colour and opacity. A change in pigment could affect density, solids content, mixed viscosity and colour but has no impact on cured performance.

Reformulation of the Primers, using the alternative Titanium Dioxide Pigment, is being progressed with the specification owners under change management. Requalification testing is complete and pilot batch manufacture has started to finalise the requalification process. As soon as qualification is completed, the new formulations can be introduced.

The implementation date for the change will depend on consumption of the raw material safety stock and currently predicted for December 2027.

The product impact is restricted to EMEA manufacture only and the primers listed below:

- **Epoxy Primers: PR205, PR143, and PR143/BT**
- **Polyurethane Primers: Desoprime™ 7045, 7040 and 7065**

Impacted specifications are listed in the attachment 1 on pages 2.

Should you have any further questions, please contact PPG Aerospace Engineering Services.

Sincerely,



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EMEA Primers and Specifications

Primer Base	Design Authority	Specifications
PR205 **PR205 HS Epoxy Primer Yellow**	Eurofighter Consortium	SP-J-513-A-0016 Type II Class B
	BSI Standards	BS 2X 33
	Rolls Royce	MSRR 9064
	BAE Systems	AVN 7-003
PR143 **PR143 Epoxy Primer Yellow**	Eurofighter Consortium	SP-J-513-A-0016 Type II Class B
	BSI Standards	BS 2X 33
	Rolls Royce	MSRR 9064
	Deutscher Aircraft	DOL 255
PR143/BT **Epoxy Primer Brush Yellow**	Airbus Process Specification	ABP 4-1123 Tested to AIMS 04-04-001 & AIMS 04-04-004 Release requirements for Airbus UK but not qualified
7045 HS **Desoprime™ 7045 HS Polyurethane Primer Yellow**	Airbus	AIMS 04-04-004 and AIMS 04-04-001 Under IPS 04-04-004-15 and IPS 04-04-001-22
	BSI Standards	BS 2X 33
7040 CF **Low VOC PU Primer Grey**	UK MOD	DEF STAN 80-225 Type 1 Primer
7065 CF **Desoprime™ 7065 CF**	SAE International	AMS 3095