

**Subject: Def Stan 80-225 - PPG Product Qualifications Coatings Bulletin No. 19-32**

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## Summary:

This Engineering Services Bulletin advises of the release of new UK MOD specification Def Stan 80-225, the specifications it replaces and current status of PPG product qualifications.

## Details:

In December 2018 the UK MOD released a new specification ;

**Def Stan 80-225 : Paint System for Military Vehicles and Equipment, Multi-Pack, Near Matt IRR and Gloss Non IRR – Chemical Agent Resistant – Non Aircraft Use, Low VOC.**

This specification amalgamates and replaces UK MOD specifications Def Stan 80-206, Def Stan 80207, Def Stan 80-208 and Def Stan 80-209.

PPG Aerospace held approvals to all the above specifications – following extensive testing and qualification work to the new specification we can now advise the following Def Stan 80-225 product approvals ;

Def Stan 80-225 Type Approval	Superseded Specification	Def Stan 80-225 Product Offer	Def Stan 80-225 Qualification Status
Type 1 Primer (Ferrous Substrates)	Def Stan 80-206	CA7040 CA7521	Qualified  Qualified with the exception of ** (see below)
Type 2 Primer (Non Ferrous Substrates)	Def Stan 80-207	(CA7041) CA7521	Withdrawn (Ref CESB 18-01)  Qualified with the exception of ** (see below)
Near Matt IRR Topcoat	Def Stan 80-208	CA8360 IRR	Qualified
Full Gloss Topcoat	Def Stan 80-209	CA8300	Qualified

\*\* Def Stan 80-225 currently requires approximate match to BS381C : 283 Aircraft Grey-Green, CA7521 is beige.

Def Stan 80-225 currently has VOC requirement of < 250 g/Lt CA7521 VOC is < 350 g/Lt

Def Stan 80-225 requires DFT of 40±5µm in a single coat. CA7521 is typically applied in two coats to this DFT.

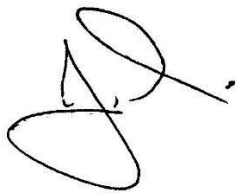
Technical data sheets for CA7040, CA7521, CA8300 and CA8360 (IR) have been updated to include reference to the new Def Stan 80-225 qualification.

Laboratory reports detailing Def Stan 80-225 qualification testing for each primer/topcoat system are available on request.

In partnership with the British Coatings Federation (BCF) and fellow paint manufacturers, we are currently in discussions with the UK MOD with the aim to having the VOC, colour and DFT requirements of Def Stan 80-225 amended to enable full qualification of CA7521 to primer types 1 and 2.

A further Engineering Services Bulletin will be issued in due course to advise on the outcome of these discussions and subsequent changes made to the Def Stan 80-225 specification.

Should you have any further questions, please contact PPG Aerospace Engineering Services or your local PPG Application Support Centre (ASC).



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