



Update of QUALICOAT Specifications 2022

Update Sheet No. 08

applicable from 1 January 2023

Subject: Various adjustments

Proposals/Requests: Several adjustments and minor corrections are requested/proposed by the WGs and/or QUALICOAT.

Resolution No. 5/TC 16.11.22

The TC approved update sheet No. 6 (Pretreatment Testing Programme - Samples), No. 7 (Mortar test) and No. 8 (Various adjustments to become effective on 1 January 2023).

QUALICOAT Resolution:

Resolution No. 17/TC 16.11.22

The TC agreed to clarify clause 8 of Appendix A6 as follows: "At the other production sites indicated by the chemical manufacturer, the approved pretreatment system shall be checked only with AASS and FFC tests". This amendment will be added to the various adjustments listed in update sheet No. 8 previously approved by the TC (Resolution No. 5).

Amendment to the Specifications:

Corrections in § 6.5, Appendix A6, Appendix A10 and Appendix A11

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QQM Section: 7.8.2

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Approved by: Executive Committee

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No. of Pages: 2

S/No.	Background/Source	Amendments																
1.	29.11.2021 Clarification and alignment with §3.3.2 paragraph 4, in consultation with MKR	6.5. Table summarising the specifications for In-House Control [...] <table border="1"> <tr> <td rowspan="3">Conversion coating (6.2)</td> <td>Etching degree</td> <td>[...]</td> </tr> <tr> <td>Weight of the conversion coating (chromate conversion)</td> <td>[...]</td> </tr> <tr> <td>Weight of the conversion coating (chromium free) (chemical pretreatment [chrome VI-free])</td> <td>[...]</td> </tr> </table>	Conversion coating (6.2)	Etching degree	[...]	Weight of the conversion coating (chromate conversion)	[...]	Weight of the conversion coating (chromium free) (chemical pretreatment [chrome VI-free])	[...]									
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2.	09.08.2022 Correction of paragraph referencer	A6. Approval of chemical pretreatments / 9. Responsibility and cooperation with the coating applicator, para. 1 Manufacturers and coating applicators shall cooperate closely (see Chapter 3, §3.2.2 §3.3.2).																
3.	16.08.2022 Alignment of the designation of the corrosion test with § 2.16	A6. Approval of chemical pretreatments / 3. Preliminary Conditions (minimum equipment) <u>THE CHEMICAL MANUFACTURER SHALL HAVE THE FOLLOWING MINIMUM EQUIPMENT AVAILABLE AT LEAST AT ONE LOCATION</u> (main production site and/or technical service centre): <ul style="list-style-type: none"> analytical instruments for testing the quality of the conversion coating cutting tools and instruments necessary for performing the adhesion test apparatus for testing dry and wet adhesion and elasticity (cupping test) impact tester (ISO 6272) apparatus for testing resistance to cracking on bending analytical balance for determining weight loss (precision 0.1 mg) apparatus to carry out the following corrosion tests: <ul style="list-style-type: none"> constant climate condensation water resistance to humid atmospheres containing sulphur dioxide acetic acid salt spray resistance pressure cooker test resistance to boiling water filiform corrosion test 																
4	06.10.2022 Alignment of the text to the new amendments introduced by Update Sheet No. 1 (SPEC 2022 -US01) in Appendix A10	Summary of requirements for the approval of organic coating materials (class 3) Exposure time: 10 years with an evaluation after 3, 5 and 7 years																
5	06.10.2022 Correction of the number of families and colours stated in section 3 of Appendix A11 (SPEC 2022 -US01)	<table border="1"> <thead> <tr> <th colspan="2">SUMMARY</th> </tr> </thead> <tbody> <tr> <td>Number of solid RAL colours (excluding metallic and pearl RAL colours)</td> <td>190</td> </tr> <tr> <td>Solid RAL colours (non-critical)</td> <td>104</td> </tr> <tr> <td>Critical solid RAL colours</td> <td>86</td> </tr> <tr> <td>Number of RAL families</td> <td>16</td> </tr> <tr> <td>Lightness category LIGHT (L>70)</td> <td>5 4 RAL families 22 21 RAL colours</td> </tr> <tr> <td>Lightness category MEDIUM (<70 > 40)</td> <td>5 6 RAL families 54 55 RAL colours</td> </tr> <tr> <td>Lightness category DARK (L<40)</td> <td>6 RAL families 28 RAL colours</td> </tr> </tbody> </table>	SUMMARY		Number of solid RAL colours (excluding metallic and pearl RAL colours)	190	Solid RAL colours (non-critical)	104	Critical solid RAL colours	86	Number of RAL families	16	Lightness category LIGHT (L>70)	5 4 RAL families 22 21 RAL colours	Lightness category MEDIUM (<70 > 40)	5 6 RAL families 54 55 RAL colours	Lightness category DARK (L<40)	6 RAL families 28 RAL colours
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6 **16.11.2022**

Clarification on corrosion tests required for renewal of pretreatment systems at other production sites. Request from VOA in consultation with the TC

A6. Approval of chemical pretreatments / 8a) Renewal of pretreatment system approvals

Approvals shall be renewed every three years, with the full testing programme including outdoor exposure (see § 5 of this Appendix) carried out by one laboratory. Once a system has been approved for six consecutive years, the renewal interval shall be extended to five years.

If an approved system identified by a single approval number is manufactured at different production sites of the same company, the full testing programme (including the exposure test) shall be carried out for the main production site and/or technical service centre. At the other production sites indicated by the chemical manufacturer, the approved pretreatment system shall be checked only with ~~corrosion tests~~ **AASS** and **FFC tests**, specifically by sending coated samples that have been treated with the products manufactured at all other production sites to the same laboratory that is also responsible for the main production site. The respective provenance shall be clearly stated.

An approval shall be renewed if the results of the laboratory and exposure tests conform to the Specifications. The certificate shall be issued every year.
