



Update of QUALICOAT Specifications 2023 Update Sheet No. 15 (V03)

applicable from 01.01.2024

Subject: Various adjustments

Proposals/Requests:

Adjustments and corrections are requested/proposed by the WGs and/or QUALICOAT

QUALICOAT Resolutions:

Resolution No. 13/EC 17.05.23
Resolution No. 3/TC 15.11.23
Resolution No. 19/TC 15.11.23

Amendment to the Specifications:

- **2.12.1 Accelerated weathering test**
Repositioning of rules for visual assessment
- **4.1.8 Coating manufacturer's plant visit**
Additional text
- **4.2.5 Banned colours**
Deadline adjustment
- **5.1 Granting of a licence (quality label)**
Additional text (Deadlines for 2nd granting inspection)
- **Appendix A6**
Additional text in section 9
- **Appendix A10**
Correction in No. of Panels for Florida test (Class 3)
- **Appendix A12**
Correction to the appendix title

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7.8.2

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Executive Committee

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3

No.	Background/Source	Amendments
1	<p><u>02.10.2023</u></p> <p>Repositioning of rules for visual assessment</p> <p><i>(Alignment with Section 2.13 Natural weathering test)</i></p>	<p>2.12.1 Accelerated weathering test for classes 1, 1.5 and 2</p> <p>[...]</p> <p>REQUIREMENTS:</p> <p><u>Gloss retention</u></p> <p>The gloss retention shall be at least</p> <ul style="list-style-type: none"> • 50% for class 1 • 75% for class 1.5 • 90% for class 2 <p>In case of an unsatisfactory result, an additional visual assessment shall be carried out for</p> <ul style="list-style-type: none"> • category 1 organic coatings; • organic coatings with structured appearance in all gloss categories; • organic coatings with a metallic or metallised effect (see Appendix A4) • organic coatings in light colours (L > 70) <p><u>Colour change:</u></p> <p>The colour change ΔE shall not be greater than</p> <ul style="list-style-type: none"> • the limits prescribed in Appendix A12 for class 1 • 75% of the limits prescribed in Appendix A12 for class 1.5 • 50% of the limits prescribed in Appendix A12 for class 2 <p>In case of an unsatisfactory result, an additional visual assessment shall be carried out for</p> <ul style="list-style-type: none"> • category 1 organic coatings; • organic coatings with structured appearance in all gloss categories; • organic coatings with a metallic or metallised effect (see Appendix A4) • organic coatings in light colours (L > 70)
2	<p><u>Powders WG 26.07.2023 – Item 3</u></p> <p><i>The Powders WG agreed that it was necessary to specify that approval documents cannot be sent to a new manufacturer solely on the basis of laboratory tests.</i></p>	<p>4.1.8 Inspection of coating manufacturer’s plant</p> <p>A visit shall be required before granting an approval to new applicants in order to check the laboratory equipment of the coating manufacturer’s plant. The costs of such a visit will be paid by the applicant. If a visit is considered unsatisfactory, the General Licensee (or QUALICOAT) retains the right not to grant the approval.]</p>
3	<p><u>02.10.2023</u></p> <p><i>Alignment with § 4.2.2 Sampling (Ref. update sheet 2022-US13 “Deadline for submitting powders for renewal”)</i></p>	<p>4.2.5 Banned colours</p> <p>[...]</p> <p>The powder manufacturer shall have the banned colour tested again by sending organic materials and coated panels to the testing laboratory <u>before the end of May</u> of the following year. To have the Florida exposure started the following year, the powder manufacturer shall send the banned colours to the testing laboratory before the end of November of the current year.</p>

4 Resolution No. 13/EC 17.05.23

The EC unanimously agreed to carry out the second granting inspection within minimum three months and maximum six months. An update sheet shall be prepared.

Resolution No. 3/TC 15.11.23

The TC approved Update sheet SPEC 2023-US15 - Various adjustments – V02 as amended at the Meeting. (consensus on eliminating the minimum period for second granting inspection)

5.1 Granting of a licence (quality label)

A preliminary inspection can be requested by the applicant but in this case the results cannot be used for granting the licence.

Every coating line as defined in these Specifications shall be inspected in order for a QUALICOAT licence to be granted.

Two inspections shall be satisfactory before a licence is granted. These inspections will be made at the coater's request.

The first inspection will be conducted by appointment.

The second will be unannounced and will only take place **within maximum six months**, once all the results of the first inspection (including the acetic acid salt spray resistance test) have been found satisfactory.

The inspectors shall take along the following equipment:

[...]

5 Resolution No. 19/TC 15.11.23

The TC mandated the Secretariat and JS to reintroduce into the Specifications the sentence "The manufacturer shall be responsible for all cycles used by coating applicator." This amendment shall be included in update sheet SPEC 2023-US15 - Various adjustments the Specifications.

A6 – Approval of chemical pretreatments

[...]

9 RESPONSIBILITY AND COOPERATION WITH THE LICENSEE

Manufacturers and licensees shall cooperate closely (see Chapter 3, § 3.3.2).

For all systems, there shall be technical data sheets, also giving information about other products with which a system may or may not be used. **The chemical manufacturer shall be responsible for all cycles used by coating applicator.**

[...]

6 02.10.2023

Correction in No. of Panels for Florida test (Class 3)

A10 – Summary of requirements for the approval of organic coating materials (all classes)

TESTS	STANDARDS	QUALICOAT SPECIFICATIONS			
		CLASS 1	CLASS 1.5	CLASS 2	CLASS 3
NATURAL WEATHERING TEST (FLORIDA) (2.13)	ISO 2810	5° south 4 panels per colour shade Exposure time: 1 year Gloss retention at least 50% Colour change: The ΔE values shall not exceed the maximum values stipulated in Appendix A12	5° south 7 panels per colour shade Exposure time: 2 years with an annual evaluation Gloss retention After 1 year : at least 65% After 2 years : at least 50% Colour change: After 2 years: within the limits prescribed in Appendix A12	5° south 10 panels per colour shade Exposure time: 3 years with an annual evaluation Gloss retention After 1 year : at least 75% After 2 years : at least 60% After 3 years : at least 50% Colour change: After 3 years: within the limits prescribed in Appendix A12	45° south 10 13 panels per colour shade Exposure time: 10 years with an evaluation after 3, 5 and 7 years Gloss retention After 3 years: at least 80% After 5 years: at least 70% After 7 years: at least 60% After 10 years: at least 50% Colour change: After 3 years : max. 50% of the limits prescribed in Appendix A12 After 10 years: within the limits prescribed in Appendix A12

7 02.10.2023

Correction to Appendix A12 title

A12 – Lists of colour tolerances after weathering tests for granting or renewing an approval ~~(for QUALICOAT laboratories)~~