



# 16th Edition of the QUALICOAT Specifications – Update Sheet – SPEC-US08

**Subject:** Standards (updated references and dates)

**Proposal/Request:** Laboratories WG (April and October 2019)

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**Amendment to the Specifications:**

- Appendix A9 – List of relevant standards

Author: Specifications WG  
Pascale Bellot

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## A9 – List of relevant standards<sup>1</sup>

Nº	YEAR	TITLE	SPECIFICATIONS
ISO 2813	2014	Paints and varnishes – Determination of gloss value at 20 degrees, 60 degrees and 85 degrees	Gloss <a href="#">2.2</a> , <a href="#">2.12</a> , <a href="#">2.13</a> , <a href="#">6.3.1</a>
ISO 2360	<del>2003</del> 2017	Non-conductive coatings on non-magnetic electrically conductive base materials – Measurement of coating thickness – Amplitude-sensitive eddy-current method	Coating thickness <a href="#">2.3</a> , <a href="#">6.3.2</a>
ISO 2409	2013	Paints and varnishes – Cross-cut test	Adhesion <a href="#">2.4</a> , <a href="#">6.3.4</a>
ISO 2815	2003	Paints and varnishes – Buchholz indentation test	Buchholz Indentation <a href="#">2.5</a>
ISO 1520	2006	Paints and varnishes – Cupping test	Cupping test <a href="#">2.6</a> , <a href="#">6.3.6</a>
ISO 1519	2011	Paints and varnishes – Bend test (cylindrical mandrel)	Bend test <a href="#">2.7</a> , <a href="#">6.3.7</a>
ISO 6272-1	2011	Paints and varnishes – Rapid-deformation (impact resistance) tests – Part 1: Falling-weight test, large-area indenter	Impact test <a href="#">2.8</a>
ISO 6272- 2	2011	Paints and varnishes – Rapid-deformation (impact resistance) tests – Part 2: Falling-weight test, small-area indenter	Impact test <a href="#">2.8</a>
ASTM D2794 <del>93</del>	2010	Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)	Impact test <a href="#">2.8</a>
<del>ISO 3231</del> ISO 22479	<del>1993</del> 2019	Paints and varnishes – Determination of resistance to humid atmospheres containing sulphur dioxide	Resistance to humid atmospheres containing sulphur dioxide <a href="#">2.9</a>
ISO 4628-2	2016	Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 2: Assessment of degree of blistering	Blistering <a href="#">2.9</a> – <a href="#">2.10</a> – <a href="#">2.16</a>

<sup>1</sup> This list refers to ISO standards and their relevant year of issue. It is continuously updated on the Internet ([www.qualicoat.net](http://www.qualicoat.net)).

Nº	YEAR	TITLE	SPECIFICATIONS
ISO 9227	2012	Corrosion tests in artificial atmospheres – Salt spray tests	Acetic acid salt spray resistance <a href="#">2.10</a>
ISO 16474- 2	2013	Paints and varnishes – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps	Accelerated weathering test <a href="#">2.12</a>
ISO 11664-4	2008	Colorimetry – Part 4: CIE 1976 L*a*b* Colour space	Colour variation <a href="#">2.12</a> – <a href="#">2.13</a>
ISO 2810	2004	Paints and varnishes – Natural weathering of coatings – Exposure and assessment	Natural weathering test <a href="#">2.13</a>
EN 12206-1	2004	Paints and varnishes – Coating of aluminium and aluminium alloys for architectural purposes – Part 1: Coatings prepared from coating powder	Resistance to mortar <a href="#">2.15</a>
ISO 6270-2	<del>2005</del> 2017	Paints and varnishes – Determination of resistance to humidity – Part 2: Procedure for exposing test specimens in condensation – water atmospheres	Constant climate condensation water test <a href="#">2.17</a>
ISO 4623–2	2003	Paints and varnishes – Determination of resistance to filiform corrosion – Part 2: Aluminium substrates	Filiform corrosion test <a href="#">2.19</a>
ISO 4628-10	2016	Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 10: Assessment of degree of filiform corrosion	Filiform corrosion test <a href="#">2.19</a>
CEN/TS 16611	2016	Furniture - Assessment of the surface resistance to microscratching	Scratch and mar resistance test (Martindale) <a href="#">2.21</a>
ISO 10546	1993	Chemical conversion coatings – Rinsed and non-rinsed chromate conversion coatings on aluminium and aluminium alloys	Chromate conversion <a href="#">3.3.1</a>
ISO 3892	2000	Conversion coatings on metallic materials – Determination of coating mass per unit area – Gravimetric methods	Chromate conversion <a href="#">6.2.2</a>
EN 1706	2010	Aluminium and aluminium alloys – Castings – Chemical composition and mechanical properties	Cast accessories <a href="#">Appendix A5</a>

## 2.9 Resistance to humid atmospheres containing sulphur dioxide

~~ISO 3234~~ **ISO 22479** (0,2 l SO<sub>2</sub> - 24 cycles). A cross-cut incision with a width of 1 mm shall be made to cut the organic coating down to the metal.

### REQUIREMENTS:

No infiltration exceeding 1 mm on both sides of the scratch, and no change in colour or blisters in excess of 2 (S2) according to ISO 4628-2.