

Subject:	CANCELLATION OF INDENTATION TEST FOR LICENSEES
Proposal:	Laboratories WG (April 2015)
QUALICOAT resolution:	<u>Resolution No. 14/TC 19.05.15</u> TC was in favour of withdrawing the indentation test from in-house control and as a mandatory test for granting and renewing licences. However, the test will be maintained for granting and renewing coating material approvals.
Date of ratification:	5 November 2015
Date of application:	1 January 2016
Amendments to the Specifications:	Text deleted in sections 3.8., 5.1.5, 5.1.6, 6.4.2 and 6.5. as well as in Appendices A5 and A9 Paragraph 6.3.5 deleted

3.8. Laboratory

The coating plant installation shall have laboratory facilities which are separate from the production facilities. The laboratory shall have the apparatus and chemicals necessary for testing and controlling the process solutions and finished products. The laboratory shall at least be equipped with the following apparatus:

[...]

~~5) Instrument for measuring indentation hardness~~

[...]

5.1.5 Inspection of finished products

[...]

The inspector shall perform the following tests on the finished products:

- Appearance (to test the uniformity of production) (2.1)
- Thickness (2.3)
- Dry adhesion (2.4.1) and wet adhesion (2.4.2)

~~Indentation (2.5)~~

[...]

5.1.6 Inspection of the test panels

The following tests shall be performed on test panels processed concurrently with a production lot:

- Gloss (2.2)
- Thickness (2.3)
- Dry adhesion (2.4.1) and wet adhesion (2.4.2)

~~Indentation (2.5)~~

[...]

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6.3.5 Indentation (ISO 2815)																				
The indentation test shall be carried out on test panels.																				
The results shall be entered on some record readily accessible to the inspector.																				
6.4.2 Control register for test panels																				
This control register is either a bound register (not a spiral binding) with numbered pages, or a computer listing.																				
It shall show the [...] the following results:																				
<ul style="list-style-type: none"> - gloss test - thickness test - adhesion test - indentation test - [...] 																				
6.5.	Table summarising the specifications for In-House Control																			
	<table border="1"> <tr> <td rowspan="6" style="text-align: center; vertical-align: middle;">Panels</td> <td style="text-align: center;">Dry adhesion</td> <td>Once in every 8-hour work shift for each shade and manufacturer</td> <td>Chart or register</td> </tr> <tr> <td style="text-align: center;">Indentation</td> <td>Once in every 8-hour work shift for each shade and manufacturer</td> <td>Chart or register</td> </tr> <tr> <td style="text-align: center;">Polymerisation (optional for powder coatings)</td> <td>Once in every 8-hour work shift for each shade and manufacturer</td> <td>Chart or register</td> </tr> <tr> <td style="text-align: center;">Cupping test</td> <td>Once in every 8-hour work shift for each shade and manufacturer</td> <td>Chart or register</td> </tr> <tr> <td style="text-align: center;">Bend test</td> <td>Once in every 8-hour work shift for each shade and manufacturer</td> <td>Chart or register</td> </tr> <tr> <td style="text-align: center;">Impact test</td> <td>Once in every 8-hour work shift for each shade and manufacturer</td> <td>Chart or register</td> </tr> </table>	Panels	Dry adhesion	Once in every 8-hour work shift for each shade and manufacturer	Chart or register	Indentation	Once in every 8-hour work shift for each shade and manufacturer	Chart or register	Polymerisation (optional for powder coatings)	Once in every 8-hour work shift for each shade and manufacturer	Chart or register	Cupping test	Once in every 8-hour work shift for each shade and manufacturer	Chart or register	Bend test	Once in every 8-hour work shift for each shade and manufacturer	Chart or register	Impact test	Once in every 8-hour work shift for each shade and manufacturer	Chart or register
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A5 – Special specifications for coatings on aluminium accessories for architectural applications under the QUALICOAT quality label

[...]

Testing

3.1 Inspection of finished products

Certain tests may be carried out on the finished products themselves but the full range of tests shall be performed on test panels processed concurrently with a production lot.

The inspector shall perform the following tests on the coated accessories:

- Appearance (Specifications § 2.1)
- Polymerisation (Specifications § 2.14)

and if the geometry of the parts permits:

- Coating thickness (Specifications § 2.3)
- Adhesion (Specifications § 2.4)
- ~~Indentation (Specifications § 2.5)~~

[...]

3.2 Inspection of test panels

The full range of tests shall be performed on test panels processed concurrently with a production lot.

- Gloss (Specifications § 2.2)
- Coating thickness (Specifications § 2.3)
- Adhesion (Specifications § 2.4)
- ~~Indentation (Specifications § 2.5)~~
- Cupping test (Specifications § 2.6)
- Bend test (Specifications § 2.7)
- Impact test (Specifications § 2.8)

A9 – List of relevant standards¹

ISO 2815	2003	Paints and varnishes – Buchholz indentation test	Indentation 2.5, 6.3.5
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¹ This list refers to ISO standards and their relevant year of issue. It is continuously updated on the Internet (www.qualicoat.net).