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## Testing of surface durability according to Möbelfakta category 5

(3 appendices)

<b>Customer:</b>	Noas Snickeri i Tibro AB
<b>Test object:</b>	Table top made of Corian®
<b>Test method:</b>	Möbelfakta requirements for surface durability, category 5 (see appendix 1)
<b>Test environment:</b>	23 ± 2°C and 50 ± 5% relative humidity
<b>Scope:</b>	Complete test
<b>Date of test:</b>	2018-03-07 – 2018-03-09
<b>Test result:</b>	The test results are reported in appendix 2
<b>Reservation:</b>	The test results in this report apply solely to the specimen tested
<b>Additional information:</b>	Test method applies to table tops for use in café and restaurant environments

### RISE Research Institutes of Sweden AB Building Technology - Wood Technological Assessment

Performed by

Examined by

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### Appendices

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## Appendix 1

**Test methods and explanation of results**Test methods:

EN 12720:2009+A1:2013 Furniture - Assessment of surface resistance to cold liquids

EN 12722:2009+A1:2013 Furniture - Assessment of surface resistance to dry heat

SS 83 91 22:1981 Furniture and fittings - Assessment of resistance to fat on surfaces with scratches

SIS 83 91 17:1973 Furniture and fittings for housing. Determination of surface resistance to scratches

The tests comply with Möbelfakta requirements for surface durability, category 5

Explanation of results:

The results are graded 1-5, the lowest approved score according to Möbelfakta is 4

Descriptive numerical rating code:

5	No visible or measurable changes
4	Minor change (considered not to affect the function or appearance)
3	Moderate change
2	Significant change
1	Strong change
Scratches	Max. scratch width 0.5 mm. Penetration of the coating is not acceptable

Note.

For rating 4 and 5, no further information will be provided in the report

For rating 3 or lower, additional information about the rating will be reported together with the results

## Appendix 2

## Test results

Test object:	Table top made of Corian®
Surface treatment:	Corian® (solid surface composite made of minerals, acrylic and pigments)
Shade:	White
Sampling:	The test object was selected by the customer
Date of arrival at SP test laboratory:	2018-01-19
Observed defects before testing:	No defects
Conditioning time in climate 23 ± 2°C and 50 ± 5% RH:	7 days
Test result:	The tested objects passed the test, see table 1

Table 1

Test	Test liquids	Test method	Möbelfakta category 5	Rating	Results
Surface resistance to liquids	Water	EN 12720	24 h	5	Pass
Surface resistance to liquids	Paraffin oil <sup>1</sup>	EN 12720	24 h	5	Pass
Surface resistance to liquids	Alcohol <sup>2</sup>	EN 12720	1 h	5	Pass
Surface resistance to liquids	Coffee <sup>3</sup>	EN 12720	1 h	5	Pass
Surface resistance to fat on scratches	Paraffin oil <sup>1</sup>	SS 83 91 22	24 h / 5 N	5	Pass
Surface resistance to dry heat	-	EN 12722	70°	5	Pass
Surface resistance to scratches	-	SIS 83 91 17	5 N	< 0.5 mm	Pass

<sup>1</sup> VWR 24677.294<sup>2</sup> Ethanol, non denatured, 48%<sup>3</sup> Gevalia instant coffee medium roasted, freeze dried (4g/1dl boiling water)

## Appendix 3

**Pictures**

Figure 1



Figure 2