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Testing of surface durability

1 Introduction

On behalf of Hyllteknik AB, 2 surfaces have been tested by SP in accordance with Möbelfakta category 2, version 08-2011.

2 Test specimens

1. High pressure laminate, white, Formica K 1040Un.
2. High pressure laminate, birch, Formica K7024.

The test specimens were provided by the customer. SP has no knowledge of the storage and handling of the samples prior to the arrival at SP.

The test specimen arrived at SP on 2014-05-21.

3 Test methods and test procedure

The test was carried out according:

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

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

Before testing the test specimen was conditioned for one week in a climate of $23 \pm 2^\circ\text{C}$ and $50 \pm 5\%$ relative humidity. The tests were also carried out in this climate.

The tests were carried out 2014-06-03 – 2014-06-05.

The results are reported in table 1-2.

4 Results

The results are graded 1-5, 4 is the lowest approved score.

Max. scratch width 0.5 mm. Penetration of the surface coating is not acceptable.

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Descriptive numerical rating code.

- 5 No change
- 4 Minor change
- 3 Moderate change
- 2 Significant change
- 1 Strong change

Table 1 High pressure laminate, white, Formica K 1040Un

Tests	Method	Category 2	Results
Water	EN 12720	16 h	5
Fat	EN 12720	24 h	5
Scratch	SIS 83 91 17	3 N	< 0,5 mm
Coffee	EN 12720	1 h	5

Table 2 High pressure laminate, birch, Formica K7024

Tests	Method	Category 2	Results
Water	EN 12720	16 h	5
Fat	EN 12720	24 h	5
Scratch	SIS 83 91 17	3 N	< 0,5 mm
Coffee	EN 12720	1 h	5

The test results apply solely to the specimen tested.

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Wood Technology**

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