

Test report

Report no.:
318/16



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INSTITUTE**

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01 December 2016
Assignment no.: 730102

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No. of encl.: 1
Init.: afr/
Cosign.: *DECR*

Customer: Jan Bengtsson
AJ Produkter AB
Transportvägen 23
S-302 30 Halmstad
Sweden

Sample: Table top with birch melamine (see page 2)

Sampling: The sample has been received at the laboratory on 14 November 2016

Period: The testing has been carried out on 21 – 24 November 2016

Procedure: Determination of surface resistance of table top in the context of office furniture

Result: The table top with birch melamine fulfills the requirements category 5

Storage: According to the general terms and conditions of The Danish Technological Institute

Remarks: None

Conditions: The test has been performed according to the conditions laid down by DANAK (The Danish Accreditation), cf. www.danak.dk, and the general terms and conditions of The Danish Technological Institute. The results from DTI's work in this report, i.e. analyses, assessments and instructions may only be used or reported in their entirety. The customer may not mention or refer to DTI or DTI's employees for advertising or marketing purposes unless the DTI has granted its written consent in each case

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Test

Determination of surface resistance of table top in the context of office furniture

Test methods

DS/EN 12720+A1, 2013	Furniture -Assessment of surface resistance to cold liquids
DS/EN 12722+A1, 2013	Furniture - Assessment of surface resistance to dry heat
SIS 83 91 17, 1973	Furniture and fittings - Determination of surface resistance to scratches
SS 83 91 22, 1981	Furniture and fittings - Assessment of resistance to fat on surfaces with scratches

Sample

Surface: Birch melamine
Size: 790 x 305 mm

Prior to the testing the sample was conditioned at 23°C and 50% RH

Test results

Exposure	Exposure time Conditions	Birch melamine Rating ¹
Water	24 hours	5
Paraffin oil	24 hours	5
Alcohol 48%	1 hour	5
Coffee 40 g/l	1 hour	5
Scratch	5N	No penetration Width ≤0,5 mm
Scratch + paraffin oil	5N	5
Dry heat	70°C/20 min	5

1. Rating, see encl. 1

Rating scale

Resistance to cold liquids and dry heat

Rating	Description
5	No change Test area indistinguishable from adjacent surrounding area
4	Minor change Test area distinguishable from adjacent surrounding area, only when the light source is mirrored on the test surface and is reflected towards the observer's eye, e.g. discoloration, change in gloss and colour No change in the surface structure, e.g. swelling, fibre raising, cracking, blistering
3	Moderate change Test area distinguishable from adjacent surrounding area, visible in several viewing directions, e.g. discoloration, change in gloss and colour No change in the surface structure, e.g. swelling, fibre raising, cracking, blistering
2	Significant change Test area clearly distinguishable from adjacent surrounding area, visible in all viewing directions, e.g. discoloration, change on gloss and colour, and/or structure of the surface slightly changed, e.g. swelling, fibre raising, cracking, blistering
1	Strong change The structure of the surface being distinctly changed and/or discoloration, change in gloss and colour, and/or the surface material being totally or partially removes, and/or the filter paper adhering to the surface

Resistance to fat on surfaces with scratches

Rating	Description
5	No fat spreading, max. 2 mm colour change in the scratch itself
4	Fat spreading up to overall width of maximum 4 mm
3	Fat spreading up to overall width of maximum 15 mm or structure changes outside the scratch
2	Fat spreading up to overall width of maximum 40 mm
1	Fat spreading up to overall width above 40 mm