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Testing of surface resistance to disinfectants

1 Introduction

On behalf of Abstracta AB, 1 cork surface have been tested at RISE regarding surface's resistance to disinfectants used in health and hospital environment.

2 Test items

Table 1

Test items	Colour/Finish
Sahara Wall panel	Natural Cork

3 Test methods and implementation

A limited part on the test surface has been washed with a disinfectant 1 time every day for a 7-day period. The washed part of the surface was compared with the unwashed part.

The surface's influence of the disinfectant is assessed on a scale of 1 to 5 according to the criteria in table 2 which conforms to the method of the standard EN 12720:2009 + A1:2013 Furniture – Assessment of resistance of surfaces to cold liquids

The test results are presented in table 3.

Disinfectants used for the tests:

Dax Ytdesinfektion Plus 45 Vol.%, 400 G/kg 2-propanol.

The tests were carried out during the period 2020-03-03 – 2020-03-11.

Date of arrival at RISE test laboratory: 2020-02-03

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Table 2

5	No visible change
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
3	Moderate change, test area distinguishable from adjacent surrounding area, visible in several viewing directions, e. g. discoloration, change in gloss and colour
2	Significant change, test area clearly distinguishable from adjacent surrounding area, visible in all viewing directions, e. g. discoloration, change in 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 removed, and / or the filter paper adhering to the surface

4 Results



Figure 1

Table 3

Test items	Colour/Finish	Result acc. EN 12720
Sahara Wall panel	Natural Cork	5

The test results apply solely to the specimen tested

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

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