



Solar Screen
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Your notice of
18-07-2013

Your reference

Date
06-01-2014

Analysis Report 13.03473.03

Translation of analysis report 13.03473.02, made on 08-08-2013

Required tests :

EN 12149 - test C (1997)

Determination of formaldehyde in textile wall covering (IGI method)

EN 12149 - test B (1997)

Determination of vinylchloride in textile wall covering (GC-MS)

EN 12149 - test A (1997)

Determination of heavy metals in wallpaper according to IGI

Identification number	Information given by the client	Date of receipt
T1311337	COVER-X	18-07-2013

Petra Wittevrongel

Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples. In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

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Reference: T1311337 - COVER-X

Determination of formaldehyde in textile wall covering (IGI method)

Date of ending the test 26-07-2013
Standard used EN 12149 - test C (1997)
Product standard EN 15102 (2007)

Deviation from the standard -

Principle Absorption of the released formaldehyde in water of textile wall covering.

Conditions: 24 hours at 40°C in a closed bottle. Measurements take place on the 2nd 24 hours absorption liquid.

Reaction with acetyl acetone

Determination Spectrophotometric at 412 nm

Results

Maximum allowable concentration of formaldehyde I.G.I.: 12 mg/100g

mg/100g
< 12

Performed in the chemical lab under the responsibility of Eddy Albrecht



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Reference: T1311337 - COVER-X

Determination of vinylchloride in textile wall covering (GC-MS)

Date of ending the test 26-07-2013
Standard used EN 12149 - test B (1997)
Product standard EN 15102 (2007)

Deviation from the standard -
Extraction method Dimethylacetamide is added to the sample in a closed bottle. The closed bottle is heated during 2 hours at 60°C. Air from the headspace is injected directly on GC.
Analysis method Gas chromatography, external standard

Results
Detection limit 0.2 mg/kg

Result (mg/kg)	≤ 0.20
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Performed in the chemical lab under the responsibility of Eddy Albrecht



Reference: T1311337 - COVER-X

Determination of heavy metals in wallpaper according to IGI

Date of ending the test 05-08-2013
Standard used EN 12149 - test A (1997)
Product standard EN 15102 (2007)
Deviation from the standard -
Extraction method With a solution of 0.07 mol/L HCl
Determination ICP iCAP 6500
Analytical correction according to EN 233 (wallpaper cylindrical-specifications)

Results

Metals	Detection limit (DL) mg/kg	Concentration mg/kg	Corrected concentration (mg/kg)	Maximum migration * mg/kg
Sb (antimony)	0,6	< 0.60	< 0.60	20
As (arsenic)	0,5	< 0.50	< 0.50	3
Ba (barium)	0,1	1.29	0.90	500
Cd (cadmium)	0,1	0.35	0.24	3
Cr (chromium)	0,2	< 0.20	< 0.20	20
Pb (lead)	0,5	< 0.50	< 0.50	20
Hg (mercury)	0,1	< 0.10	< 0.10	20
Se (selenium)	1,0	< 1.00	< 1.00	≤10

* Limiting maximum migration according to I.G.I.

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