

Zimmer & Rohde GmbH
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61440 OBERURSEL
Germany

Your notice of
29-02-2024

Your reference

Date
29-03-2024

Analysis Report 24.01160.01

Required tests :

IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8	Fire tests - Test for upholstered furniture - smouldering cigarette test
IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8	Fire tests - Test for upholstered furniture - Match flame equivalent

Sample id	Information given by the client	Date of receipt
T2404523	10663	29-02-2024

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.



Reference: T2404523 - 10663

IMO upholstered furniture

Information given by the client

Type of furniture	Upholstery
Fabric	
Composition	100% Trevira CS
Structure	Weave
Number of threads - warp	22.5/cm
Number of threads - weft	13/cm
Yarn count - warp	668/160dtex TRV Melanj / 100% Trevira CS
Yarn count - weft	NE 8/2 Flamli Trevira Yarn / 100% Trevira CS
Thickness in mm	1
Weight g/m ²	454
Colour	695 grey
Inherently FR treated	yes

Reference: T2404523 - 10663

Fire tests - Test for upholstered furniture - smouldering cigarette test

Date of ending the test	29-03-2024
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	T 23140 (Recticel) * - non-fire retardant foam - $\pm 22 \text{ kg/m}^3$ * standard non-FR PU-foam (as indicated in Appendix 2 and 3 of Part 8)
Dimension of the specimens	800 mm x 650 mm x 1 mm
Weight (g/m ²)	500

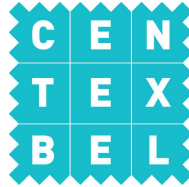
Ignition source: smouldering cigarette with the following specifications

Length: $(70 \pm 4) \text{ mm}$

Diameter: $(8.0 \pm 0.5) \text{ mm}$

Mass: $(0.95 \pm 0.15) \text{ g}$

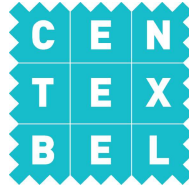
Smouldering rate: $(11.0 \pm 4.0) \text{ min} / 50 \text{ mm}$



	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than 1 hour	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Occurrence of flames	no	no
Additional observations		
Maximum extent of damage from the ignition source (mm)	10	10
	non-ignition	non-ignition

Conclusion Pass

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



Reference: T2404523 - 10663

Fire tests - Test for upholstered furniture - Match flame equivalent

Date of ending the test	29-03-2024
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	T 23140 (Recticel) * - non-fire retardant foam - $\pm 22 \text{ kg/m}^3$ * standard non-FR PU-foam (as indicated in Appendix 2 and 3 of Part 8)
Dimension of the specimens	800 mm x 650 mm x 1 mm
Weight (g/m ²)	500
Flame application time (s)	20



	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke/heat/glowing more than 120 s	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flaming > 120 s	no	no
Afterflame time (s)	1	0
Additional observations		
Afterglow time (s)	0	0
Maximum extent of damage from the ignition source (mm)	30	45
	non-ignition	non-ignition

Conclusion Pass

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.