



**Verotex Industries bv
Edisonweg 3
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**Your notice of
31-01-2023**

Your reference

**Date
27-02-2023**

Analysis Report 23.00565.03

Required tests :

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

Sample id	Information given by the client	Date of receipt
T2302394	XFR Sensuous	31-01-2023

**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: T2302394 - XFR Sensuous

IMO upholstered furniture

Information given by the client

Type of furniture	Sofa
Fabric	
Composition	54% Recycled Polyester Inherent FR, 46% Polyester Inherent FR
Structure	-
Number of threads - warp	22/cm
Number of threads - weft	26/cm
Number of threads - pile	21/cm
Yarn count - warp	300D
Yarn count - weft	Ne 20/1
Yarn count - pile	Ne 30/2
Thickness in mm	1.4
Weight g/m ²	379
Colour	19-Dune
Inherently FR treated	yes



Reference: T2302394 - XFR Sensuous

Fire tests - Test for upholstered furniture - smouldering cigarette test

Date of ending the test	20-02-2023
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	SB 36140 (Recticel) - fire retardant foam - $\pm 36 \text{ kg/m}^3$
Dimension of the specimens	800 mm x 650 mm x 1 mm
Weight (g/m^2)	406

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: T2302394 - XFR Sensuous

Fire tests - Test for upholstered furniture - Match flame equivalent

Date of ending the test	20-02-2023
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	SB 36140 (Recticel) - fire retardant foam - $\pm 36 \text{ kg/m}^3$
Dimension of the specimens	800 mm x 650 mm x 1 mm
Weight (g/m^2)	406
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)	0	0
Additional observations		
Afterglow time (s)	0	0
Maximum extent of damage from the ignition source (mm)	50	25
	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.