KOBE INTERNATIONAL B.V.
DE VEST 62
5555 XP VALKENSWAARD
NEDERLAND

Your notice of	Your reference	Date
23-07-2020		25-01-2021

Analysis Report 20.04629.02

Required tests :
IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 7 **Fire Test Procedures - Test for vertically supported textiles and films**

Sample id	Information given by the client	Date of receipt
T2016206	FLINT CS	23-07-2020

Petra Wittevrongel
Order responsible

Reference: **T2016206 - FLINT CS**

IMO curtains

Information given by the client

Type of material	Drape

Fabric

Composition	100% polyester (Trevira CS)
Structure	Weave
Number of threads - warp	80/cm
Number of threads - weft	26/cm
Yarn count - warp	76/96 trevira yarn
Yarn count - weft	NE 30/2 trevira yarn
Thickness in mm	0.5
Weight g/m²	210
Colour	Light grey
Inherently FR treated	yes

Reference: **T2016206 - FLINT CS**

Fire Test Procedures - Test for vertically supported textiles and films

Date of ending the test	17-09-2020
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 7
Deviation from the standard	-
Conditioning	Min 24 hours at 20°C and 65% RH

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.

The test specimens have not been cleaned nor submitted to an accelerated ageing procedure.

Flame application time (s)	5 - 15
Weight (g/m²)	217

Determination of the test conditions.

Length

	Surface		Edge	
Flame application time (s)	5	15	5	15
Afterflame time (s)	0	0	0	0
Surface flash	no	no	no	no
Edge reached	no	no	no	no
Ignition cotton wool	no	no	no	no
Maximum damaged length (mm)	23	28	29	46

No sustained ignition : testing continued under conditions showing the greatest damaged length.

Width

	Surface		Edge	
Flame application time (s)	5	15	5	15
Afterflame time (s)	0	0	0	0
Surface flash	no	no	no	no
Edge reached	no	no	no	no
Ignition cotton wool	no	no	no	no
Maximum damaged length (mm)	26	31	35	49

No sustained ignition : testing continued under conditions showing the greatest damaged length.

Worst testing conditions

Length Edge - flame application time 15 s

	1	2	3	4	5	Average
Afterflame time (s)	0	0	0	0	0	
Surface flash	no	no	no	no	no	
Edge reached	no	no	no	no	no	
Ignition cotton wool	no	no	no	no	no	
Maximum damaged length (mm)	46	41	49	33	31	40

Width Edge - flame application time 15 s

	1	2	3	4	5	Average
Afterflame time (s)	0	0	0	0	0	
Surface flash	no	no	no	no	no	
Edge reached	no	no	no	no	no	
Ignition cotton wool	no	no	no	no	no	
Maximum damaged length (mm)	49	31	49	79	31	48

Face B

Determination of the test conditions.

Length

	Surface B		Edge	
Flame application time (s)	5	15	5	15
Afterflame time (s)	0	0	0	0
Surface flash	no	no	no	no
Edge reached	no	no	no	no
Ignition cotton wool	no	no	no	no
Maximum damaged length (mm)	31	33	39	42

No sustained ignition : testing continued under conditions showing the greatest damaged length.

Width

	Surface B		Edge	
Flame application time (s)	5	15	5	15
Afterflame time (s)	0	0	0	0
Surface flash	no	no	no	no
Edge reached	no	no	no	no
Ignition cotton wool	no	no	no	no
Maximum damaged length (mm)	23	33	35	46

No sustained ignition : testing continued under conditions showing the greatest damaged length.

Worst testing conditions

Length Edge - flame application time 15 s

	1	2	3	4	5	Average
Afterflame time (s)	0	0	0	0	0	
Surface flash	no	no	no	no	no	
Edge reached	no	no	no	no	no	
Ignition cotton wool	no	no	no	no	no	
Maximum damaged length (mm)	42	63	55	37	51	50

Width Edge - flame application time 15 s

	1	2	3	4	5	Average
Afterflame time (s)	0	0	0	0	0	
Surface flash	no	no	no	no	no	
Edge reached	no	no	no	no	no	
Ignition cotton wool	no	no	no	no	no	
Maximum damaged length (mm)	46	32	40	51	40	42

Criteria for curtains and drapes

1. Afterflame time ≤ 5s for any specimen tested with face ignition.
2. No flame propagation to the edges for any specimen tested with face ignition..
3. No ignition of the cotton wool for any specimen.
4. Average char length ≤ 150 mm in any of the batches tested with face or edge ignition.
5. No occurance of a surface flash more than 100 mm from the point of ignition.

Remark: If the test for length and/or width is carried out with edge ignition, the results obtained through the edge application are considered for the purposes of the criteria 1 and 2.

The fabric passes the proposed criteria for curtains and drapes.