your delivery of 2010-04-15  your reference SO-1056966 our reference PVH/3929 date Zwijnaarde, 2010-04-26

Analysis Report 74046/B

Required tests:

IMO Fire Test Procedures Code, Annex 1 part 7 (1998)
Resolution A.471 (XII) / Resolution A.563(14)
Test for vertically supported textiles and films

<table>
<thead>
<tr>
<th>Identification number</th>
<th>Information given by the client</th>
<th>Date of receipt</th>
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</thead>
<tbody>
<tr>
<td>T004527</td>
<td>TAVIRA</td>
<td>2010-04-15</td>
</tr>
</tbody>
</table>

Pros Van Hoeyland
order responsible

For further information, please contact our sectorial adviser Pros Van Hoeyland

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.
Reference: T004527 - TAVIRA

IMO Fire Test Procedures Code, Annex 1 part 7 (1998)
Resolution A.471 (XII) / Resolution A.563(14)
Test for vertically supported textiles and films

End of tests: 23 April 2010

test specimens orientation: vertical
dimensions: 220 mm x 170 mm

burner gas: commercial propane
flame - vertical reach: 40 mm
flame application time: 5 s - 15 s

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

Conditioning of the test specimens
At least 24 hours at (20 ± 5)°C and (65 ± 5)% RH

determination of the worst testing condition: surface or edge ignition

<table>
<thead>
<tr>
<th>length</th>
<th>surface</th>
<th>back</th>
<th>edge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>face</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>flame application time (s)</td>
<td>5</td>
<td>15</td>
<td>5</td>
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<tr>
<td>afterflame time (s)</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>afterglow time (s)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>surface flash</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>edge reached</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>ignition cotton wool</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>maximum damaged length (mm)</td>
<td>37</td>
<td>42</td>
<td>35</td>
</tr>
</tbody>
</table>

no sustained ignition → testing continued under conditions showing the greatest damaged length = edge ignition 15 s

<table>
<thead>
<tr>
<th>width</th>
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<th>edge</th>
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</thead>
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</table>
Reference: T004527 - TAVIRA

worst testing conditions

length - edge - flame application time 15 s

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<tr>
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<td>no</td>
<td>no</td>
<td>no</td>
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<td>no</td>
</tr>
<tr>
<td>ignition cotton wool</td>
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<td>no</td>
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<td>no</td>
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<tr>
<td>maximum damaged</td>
<td>75</td>
<td>62</td>
<td>58</td>
<td>57</td>
<td>72</td>
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</table>

width - edge - flame application time 15 s

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<td>48</td>
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Proposed criteria for curtains and drapes (Resolution A.563(14) - Appendix 3)
1. Afterflame time $\leq 5s$ 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 $\leq 150$ mm in any of the batches tested with face or edge ignition.
5. No occurrence of a surface flash more than 100 mm from the point of ignition

The fabric passes the proposed criteria for curtains and drapes.

Performed under accreditation in the fire lab under the responsibility of Pros Van Hoeyland.