TEST REPORT

DATE: 05-19-2023
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CLIENT       Urban Surfaces

TEST NUMBER: 0296768

TEST METHOD CONDUCTED

DESCRIPTION OF TEST SAMPLE
IDENTIFICATION       1901-2134 Mission Bay 7”x48” (4.5)
LOT NUMBER            Batch: 221129-11991
CONSTRUCTION          SPC

GENERAL PRINCIPLE
This procedure is designed to measure the critical radiant flux at flame out of horizontally mounted floor covering systems exposed to a flaming ignition in a test chamber which provides a graded radiant heat energy environment. The imposed radiant flux simulates the thermal radiation levels likely to impinge on the floors of a building whose upper surfaces are heated by flames from a fully developed fire in an adjacent room or compartment. The test result is an average critical radiant flux (watts/square cm) which indicates the level of radiant heat energy required to sustain flame propagation in the flooring system once it has been ignited. A minimum of three test specimens are tested and the results are averaged. Theoretically, if a room fire does not impose a radiant flux that exceeds this critical level on a corridor floor covering system, flame spread will not occur.

The NFPA Life Safety Code 101 specifies as Class 1 Critical Radiant Flux of .45 watts/sq cm or higher and Class 2 Critical Radiant Flux as .22 – .44 watts/sq cm.

FLOORING SYSTEM ASSEMBLY
<table>
<thead>
<tr>
<th>SUBSTRATE</th>
<th>UNDERLAYMENT</th>
<th>CONDITIONING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral-Fiber/Cement Board</td>
<td>Loose Laid</td>
<td>Minimum of 96 hours at 70 ±5ºF and 50 ± 5% relative humidity</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Distance Burned</th>
<th>Time To Flame Out</th>
<th>Critical Radiant Flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specimen 1</td>
<td>16 cm</td>
<td>5 minutes</td>
<td>0.95 watts/square cm</td>
</tr>
<tr>
<td>Specimen 2</td>
<td>17 cm</td>
<td>5 minutes</td>
<td>0.95 watts/square cm</td>
</tr>
<tr>
<td>Specimen 3</td>
<td>19 cm</td>
<td>5 minutes</td>
<td>0.93 watts/square cm</td>
</tr>
</tbody>
</table>

Average Critical Radiant Flux: 0.94 Watts/Square Cm
Standard Deviation: 0.01 Watts/Square Cm
Coefficient of Variation: 1%

NOTE: Meets or exceeds Class 1 rating as specified in NFPA Life Safety Code 101.

APPROVED BY: [Signature]

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714 Glenwood Place  Dalton, GA 30721  706-226-3283  Fax: 706-226-6787  protest@optillink.us