TEST REPORT

DATE: 05-19-2023

CLIENT: Urban Surfaces

TEST NUMBER: 0296768


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 specific optical density of smoke generated by the test specimen within a closed chamber. Each specimen is exposed to an electrically heated radiant-energy source positioned to provide a constant irradiance level of 2.5 watts/square cm on the specimen surface. Measurements are recorded through a photometric system employing a vertical beam of light and a photo detector positioned to detect the attenuation of light transmittance caused by smoke accumulation within the chamber. The light transmittance measurements are used to calculate specific optical density, a quantitative value which can be factored to estimate the smoke potential of materials. Two burning conditions can be simulated by the test apparatus. The radiant heating in the absence of ignition is referred to as the Non-Flaming Mode. A flaming combustion in the presence of supporting radiation constitutes the Flaming Mode.

CONDITIONS

PREDRYING OF TEST SAMPLE
24 Hours at 140º F

CONDITIONING OF TEST SAMPLE
24 Hours at 70º F and 50% Relative Humidity
As Received

TESTING CONDITION

FURNACE VOLTAGE: 118 V
CHAMBER TEMPERATURE: 95º F
TEST MODE: Flaming
IRRADIANCE: 2.5 watts/sq cm
CHAMBER PRESSURE: 3" H2O

AVERAGE MAXIMUM DENSITY CORRECTED (Dmc) FLAMING

<table>
<thead>
<tr>
<th>Specimen 1</th>
<th>Specimen 2</th>
<th>Specimen 3</th>
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</thead>
<tbody>
<tr>
<td>Maximum Density (Dm)</td>
<td>291.0</td>
<td>289.0</td>
</tr>
<tr>
<td>Time to Dm (minutes)</td>
<td>6.0</td>
<td>6.5</td>
</tr>
<tr>
<td>Clear Beam (Dc)</td>
<td>19.0</td>
<td>18.0</td>
</tr>
<tr>
<td>Corr. Max Density (Dmc)</td>
<td>272.0</td>
<td>271.0</td>
</tr>
<tr>
<td>Density at 1.5 minutes</td>
<td>47.0</td>
<td>43.0</td>
</tr>
<tr>
<td>Density at 4.0 minutes</td>
<td>234.0</td>
<td>227.0</td>
</tr>
<tr>
<td>Time to 90% Dm (minutes)</td>
<td>4.5</td>
<td>4.0</td>
</tr>
<tr>
<td>Specimen Weight (grams)</td>
<td>39.4</td>
<td>39.8</td>
</tr>
</tbody>
</table>

AVERAGE SPECIFIC OPTICAL DENSITY AT 4.0 MINUTES

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APPROVED BY: [Signature]

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