An Update of Local Adoption

NFPA 285 in the Field

Session 6.1, Part 3:

Fire Performance Evaluation

Smoldering Issues of
IS NFPA 285 NEW?
Products Research Committee
— Resisted in a 1980 Final Report of the
— Sponsoring product research ($5M)
— Notification of prior purchasers of their foams

and SPl Requiring:
A Consent Decree Including 25 Manfacturers

1974 Federal Trade Commission Ruling

DOCKET C-2596

Commission No. 1. 1974—Decision No. 4. 1974

FEDERAL TRADE COMMISSION ACT

CONSENT ORDER, ETC., IN REGARD TO ALLEGED VIOLATION OF THE

THE SOCIETY OF THE PLASTICS INDUSTRY, INC., ET AL.

IN THE MATTER OF
Growth of NFPA 285 Triggers
<table>
<thead>
<tr>
<th>Climate Zone</th>
<th>ASHRAE 90.1</th>
<th>2009</th>
<th>2012</th>
<th>IECC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R3 + R3.8Sl</td>
<td>R33</td>
<td>R33</td>
<td>R33</td>
</tr>
<tr>
<td>2</td>
<td>R3 + R3.8Sl</td>
<td>R33</td>
<td>R33</td>
<td>R33</td>
</tr>
<tr>
<td>3</td>
<td>R3 + R7.5Sl</td>
<td>R33</td>
<td>R33</td>
<td>R33</td>
</tr>
<tr>
<td>4</td>
<td>R3 + R7.5Sl</td>
<td>R33</td>
<td>R33</td>
<td>R33</td>
</tr>
<tr>
<td>5</td>
<td>R3 + R7.5Sl</td>
<td>R33</td>
<td>R33</td>
<td>R33</td>
</tr>
<tr>
<td>6</td>
<td>R3 + R7.5Sl</td>
<td>R33</td>
<td>R33</td>
<td>R33</td>
</tr>
<tr>
<td>7</td>
<td>R3 + R7.5Sl</td>
<td>R33</td>
<td>R33</td>
<td>R33</td>
</tr>
<tr>
<td>8</td>
<td>R3 + R8.8Sl</td>
<td>R33</td>
<td>R33</td>
<td>R33</td>
</tr>
</tbody>
</table>

Increasing Thermal Resistance

Increasing mandatory use of continuous insulation (ci) in EVERY climate zone.
2012 IBC
of the
State and Local Adoption
2603.5.5 - Foam Plastics

1509.6.2 - (Rooftop) Mechanical Equipment Screens

1409.10.4 - HPL High-Pressure Decorative Laminates

1407.10.4 - MCM Metal Composite Materials

1403.5 - Water Resistant Barriers (WRB's)

Modifications by State and Local AHJ's
2603.5.5 (Foam Plastic) - Not Modified
1509.6.2 (Rooftop) - Not Modified
1407.10.4 (MCM) - Not Modified
1409.10.4 (HPL) - Not Modified

Similar to 2015 IBC Exception Language

1403.5 (WRB’s) - Modified

Effective Date July 1, 2013 Incorporating 2012 IBC

Washington State Building Code
Height restrictions in DC (approximately 100ft in DC) - Key discussion for the 2603.5.5 acknowledgment of the exception for NFPA 285 trigger in fully sprinklered buildings

2603.5.5 (Foam Plastics) - Modified
1509.6.2 (Rooftop) - Not Modified
1409.10.4 (HPL) - Not Modified
1407.10.4 (MCM) - Not Modified
- WRB's not a trigger NFPA 285 Compliance
- 1403.5 (WRB's) - Deleted

Effective Date: March 28, 2014 Incorporating 2012 IBC

2013 DC Building Code Supplement