Product Information On:

FLAME CONTROL NO. 20-20A FLAT LATEX INTUMESCENT FIRE RETARDANT PAINT

Fire Protection Ratings:

Class “A” when tested in accordance with UL-723 (ASTM E-84, UBC 8-1, NFPA-255) and CAN/ULC-S102. No. 20-20 has been tested for 30 minutes (½hour) per NFPA 703 and BOCA 1702-4.1.

Product Description:

Flame Control No. 20-20A is a latex (water base) intumescent fire retardant paint, manufactured in accordance with Federal Specification TT-P-001932. This product is designed for use on interior surfaces where it is either necessary or desirous to reduce the surface burning characteristics of the substrate. It dries quickly to a flat matte finish, having the appearance of a conventional flat paint. In the presence of heat or flame, the coating puffs up (intumesces) and forms a thick sponge-like cellular foam layer. This foam layer insulates the substrate reducing the penetration of heat, thus retarding the flame spread and prolonging structural collapse.

Surface Preparation:

All surface preparation should be carried out in accordance with good painting practices. Remove all loose peeling or powdery paint from the surface. All dirt, grease, oil, wax, and other foreign matter MUST be removed with a detergent, rinse surface thoroughly with clear water, and allow to dry. Repair all cracks, holes, and other surface irregularities. Allow to dry, sand lightly, and prime repaired surface. All glossy or smooth surfaces must be dulled with sandpaper. For best appearance, new wood surfaces should be sealed with Flame Control No. 3001 Alkyd Primer or other wood and wallboard primer.

Metallic Surfaces: Previously painted metal surfaces should be clean, dry, dulled where glossy, and spot-primed with Flame Control No. 3004 Universal Primer. Allow to dry 4 hours. New metal surfaces must be primed. Apply Flame Control No. 3004 Universal Primer or Flame Control No. 3005 Two Component Epoxy Primer, and allow to dry before applying No. 20-20A.

Application:

Flame Control No. 20-20A can be applied by brush, roller, airless or conventional heavy-duty spray equipment. Stir thoroughly and apply, using a full-bodied coat. If thinning is required, use WATER only. Do not exceed ½ pint per gallon. Do not apply in temperatures below 50F (10C).
V.O.C.: 0.48 lbs/gal (58 g/L)

**Suggested Coverage Rate:**

150 to 200 sq.ft./U.S. gallon [3.7 to 4.9 m²/L] applied in one or two coats. See fire hazard classification for specific coverage rates.

**Drying Time:**

Dries to touch in 30 – 60 minutes, can be recoated in 2 – 4 hours.

**Thinners:**

For thinning, use only clean water, maximum ½ pint per gallon. For equipment clean-up use warm soapy water.

**Tinting:**

Available in white, off-white, and pastel shades, or may be field tinted with most universal tinting colorants. Tinting colorants should not exceed 2 fluid ounces per gallon.

**Packaging:** Standard packaging, 1 gallon, 5 gallon, and 55 gallon containers.

**PRECAUTIONS:**

CAUTION! Do not take internally. Close container after each use. KEEP OUT OF REACH OF CHILDREN. Protect from freezing.

**Fire Test Section:**

Flame Spread Ratings: Class “A”. When tested in accordance with UL-723 (ASTM E-84, BOCA 8-1, NFPA-255) and CAN/ULC-S102 the coating obtained the following fire hazard classification. A complete Underwriters’ Laboratories report is available upon request.

**FIRE HAZARD CLASSIFICATION**

<table>
<thead>
<tr>
<th>Coating System Details</th>
<th>[When applied to Douglas Fir]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Flame Spread</td>
</tr>
<tr>
<td>Primer – None</td>
<td></td>
</tr>
<tr>
<td>Type 20-20A applied in one coat</td>
<td>5</td>
</tr>
<tr>
<td>at 155 sq.ft./U.S. gallon [3.8 m²/L]</td>
<td></td>
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<tr>
<td>Topcoat – None</td>
<td></td>
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</tbody>
</table>


### 30 MINUTE FIRE TEST

<table>
<thead>
<tr>
<th>Coating System Details</th>
<th>[When applied to Douglas Fir Plywood]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primer – None</td>
<td>[*] 0</td>
</tr>
<tr>
<td>Topcoat – None</td>
<td>[*] 35</td>
</tr>
</tbody>
</table>

(*) The fire test was conducted for a total time period of 30 minutes. There was no evidence of significant progressive combustion at the 30-minute period. Therefore, the material identified as No. 20-20 meets the requirements as defined in NFPA 703 and the criteria specified in Section 1702-4.1 of the 1990 BOCA National Building Code. A complete 30 minute test report is available upon request.