

BUILDING PRODUCTS LISTING PROGRAM

Customer: **International Fireproof Technology Inc (IFTI)**

Class: Applied Fireproofing
Location: Irvine, CA
Website: www.painttoprotect.com

Listing No. B1117-2
Project No. B1117-2, Edition 1
Effective Date: Aug 23, 2018
Last Revised Date: Aug 23, 2018
Expires: <N/A>

Standards: ASTM E84 “Standard Test Method for Surface Burning Characteristics of Building Materials”.

ASTM E84 “Standard Test Method for Surface Burning Characteristics of Building Materials”, Extended 20 minutes.

ASTM E2768 “Extended Duration Surface Burning Characteristics of Building Materials (30 Min Tunnel Test) “.

ASTM E119 “Standard Test Method for Fire Tests of Building Construction and Materials”.

NFPA 286 “Standard Methods of Fire Tests Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth”.

Product: DC315 Intumescent Coating.

Description: DC315 is an intumescent coating used as an interior ignition or thermal barrier coating for application over spray polyurethane foam (SPF) Insulation. DC315 may be produced in the following colors: White, Ice Gray, Dark Gray and Charcoal Black.

Uses: DC315 is an ignition and thermal barrier coating for application to spray polyurethane foam (SPF) insulation. DC315 is a water based latex product. DC315 is typically applied with a paint sprayer, brush or roller.

See manufacturers published installation instructions for application details.

Markings: Product is marked with labels or stamp supplied by IFTI to each container. The markings include:

- Manufacturer’s name, trademark, or other recognized symbol of identification,
- Product name,

- QAI File Number: B1117,
- Date of manufacture or date code on the label or stamp,
- ASTM E84 (ASTM E2768) Flame Spread Index / Smoke Developed Index
- ASTM E119 fire resistance rating
- NFPA 286
- QAI logo shown here:

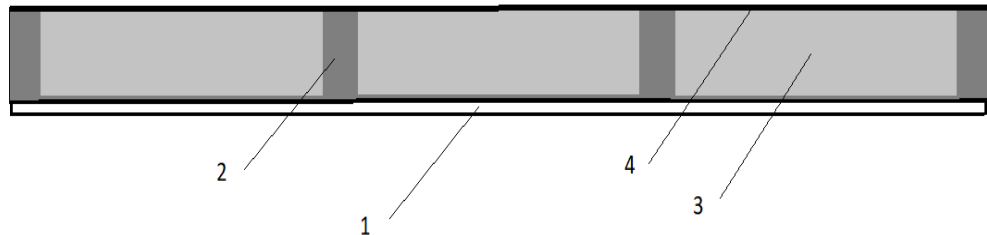


Models / Ratings: The following outlines DC315 intumescent coating ratings.

| Standard | Ratings | Limitations |
|---|---|--|
| ASTM E84 | FSI ≤ 25 SDI ≤ 450 | DC315 applied at (min. 20 wet mils) |
| ASTM E84 Extended 20 minutes (ASTM E2768) | FSI ≤ 25 SDI ≤ 450 | DC315 applied at (min. 20 wet mils) |
| ASTM E119 | DC315 achieved a 25 min rating for asymmetrical design as noted in report* with DC315 exposed to the Fire side. | DC315 applied at (min. 18 wet mils) see Figure 1 |
| NFPA 286 | Complies with section 2603.9 Special approval of IBC 2015 for installation without code prescribed thermal barrier. | See current IFTI Code Evaluation report for required installation details and approved foam plastic types. |

Figure 1: B1117-2-1 Asymmetric fire assembly design, non-load bearing wall assembly – 25 minutes

Side exposed to Fire



- 1) ½ in. thick approved fire rated Type C gypsum wallboard fastened to one side of the framing using 1-1/4in drywall screws spaced 8 in. on center.
- 2) Nominal 2 in. by 4 in. Studs, SPF #2 & better located 16 in on center.
- 3) LaPolla Industries Foam-Lok spray foam insulation or equivalent inside the cavity to an average thickness of 3-1/2 in
- 4) DC315 intumescent paint applied to a WFT of 18 mils in total

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