

## **BUILDING PRODUCTS LISTING PROGRAM**

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

Class: Applied Fireproofing  
Location: Irvine, CA  
Website: [www.painttoprotect.com](http://www.painttoprotect.com)

Listing No. B1117-2  
Project No. B1117-2, Edition 2  
Effective Date: Aug 23, 2018  
Last Revised Date: May 8, 2019  
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”.

CAN/ULC S101 “Standard Methods of Fire Endurance 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”.

CAN/ULC-S145 “Standard Method of Test for the Evaluation of Protective Coverings for Foamed Plastic Insulation - Full-Scale Room Test.”

Product: DC315 Intumescent Coating.

Description: DC315 is an intumescent coating used as an interior ignition or thermal barrier coating (Per IBC) 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 (Per IBC) 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
- QAI logo shown here:

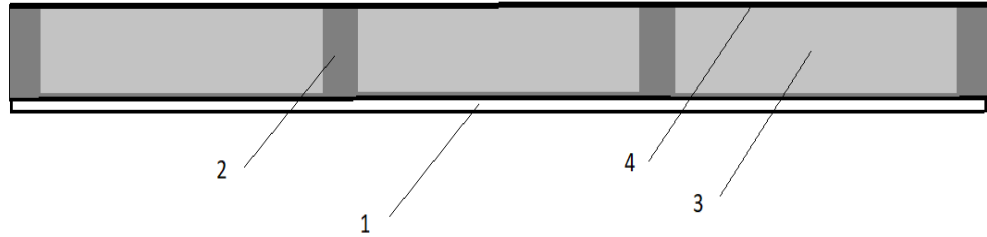


Models / Ratings: The following outlines DC315 intumescent coating ratings.

Standard	Ratings	Limitations
ASTM E84	FSI ≤ 25 SDI ≤ 450	DC315 applied at (min. 20 w mils)
ASTM E84 Extended 20 minutes (ASTM E2768)	FSI ≤ 25 SDI ≤ 450	DC315 applied at (min. 20 w mils)
ASTM E119 / CAN/ULC S101	DC315 achieved a 25 min rating for asymmetrical design as with DC315 exposed to the Fire side.	DC315 applied at (min. 18 w 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.
CAN/ULC S145	20 Minute Classification.	DC315 when applied with a 3 w mil primer and a 25 w mils thickness - 20 minute classifications of ULC S145 when applied over 3 1/2 in thick SPF meeting CAN/ULC S705.1

**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 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, 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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