**DC315 Intumescent Coating**

**Description**

DC315 is an intumescent coating designed to meet Code requirements for the fire protection of Spray Polyurethane Foam (SPF). Tested and evaluated in the USA by UL and ICC-ES, and in Canada by ULC and CCMC, DC315 is the most tested and approved alternative thermal and ignition barrier on the market today!

DC315 is fully AC456 Compliant and satisfies the International Building Code (IBC) International Residential Code (IRC) National Building Code of Canada (NBCC) and many other International model building codes.

DC315 has been tested as a component of exterior wall systems in accordance with the NFPA 285 and meets IBC Section 2603.5 with various architectural cladding options.

**DC315 Tested Solutions for Spray Polyurethane Foam**

- More certified full scale Thermal and Ignition Barrier tests over SPF
- Code Compliance Evaluated by IAPMO ER-499 and ICC-ESR 3702 for the USA market
- Code Compliance Evaluated by CCMC #14036-R and ULC ER39793 for the Canadian market
- UL Listed File R40016 as a component of exterior wall systems in accordance with NFPA 285 with various architectural claddings
- DC315 manufacturing facilities are 3rd party Listed and Inspected
- Tested useful life, fire performance not compromised after 50 years.
- Topcoat for color, weather and moisture protection, tested full scale via NFPA 286
- ANSI 51 testing for incidental food contact
- Passed CA-1350 - qualifies DC315 as a low-emitting material required by LEEDS and Green Building standards
- Passed strict EPA - VOC and AQMD air emission requirements
- No formaldehyde
- “Single Coat Coverage” on walls and ceilings
- Meets Life Safety Code NFPA 101

*End Use Applications: DC315 is for interior use as a thermal or ignition barrier coating to protect SPF. Contact IFTI for instruction for using DC315 in other applications such as, but not limited to exterior wall systems, cold storage, parking garages, high humidity, or any unconditioned spaces.

**Specifications**

- Finish: Flat
- Color: Ice Gray, White, Dark Grey and Charcoal Black
- V.O.C.: 18 g/l
- Volume Solids: 67%
- Flash Point: @ 77°F & 50% RH To touch
- Drying Time: 1-2 hours to recoat 2 to 4 hours
- Type of Cure: Coalescence
- Flash Point: None
- Reducer/Cleaner: Water
- Shelf Life: 18-24 months (unopened)
- Packaging: 5 & 55 gallon containers
- Weight: 5 gallon pail ~ 58 lbs. 55 gallon drum ~ 640 lbs.
- Shipping Weight: 5 gallon pail ~ 58 lbs. 55 gallon drum ~ 640 lbs.
- Application: Brush, roller, conventional and airless spray
- Performance: 50+ years HOAC tested
- QAI Listed: File B1117
DC315 Intumescent Coating

Visit us at our website www.painttoprotect.com to obtain a current matrix of all the manufacturer’s foams DC 315 has been tested and approved as Thermal or Ignition barriers in compliance with current Building Codes.

International Building Code Fire Performance Requirements for SPF: The International Building Code (IBC) mandates that SPF be separated from the interior of the building by a 15-minute thermal barrier, or other approved covering. DC 315 passed certified NFPA 286 testing over a variety of open and closed cell spray applied urethane foams that were conducted by IAS certified testing facilities. All tests performed comply with the requirements of 2012 IBC Section 803.12 and Section 2603.10, 2015 IBC Section 2603.9 and Section 803.1.

Exterior Wall Systems: DC315 has been tested as a component of exterior wall systems in accordance with the NFPA 285 and meets 2015 IBC Section 2603.5 with various architectural cladding options.

Alternative Ignition Barrier Assemblies: DC 315 meets the requirements for ignition barrier per AC 377, Appendix X.

National Building Code of Canada Alternative Thermal Barrier Assemblies: DC315 prevents flashover for 10 minutes for Combustible Construction or 20 minutes for Non-Combustible construction when tested to the CAN/ULC 9705 Standard and meets the Intent of NBC Section 3.15.12 for the protection of foamed plastics. Ensure application thickness is applied according to building type.

European Union: DC315 has been tested over both medium density and low density spray polyurethane foam and provides an EN13501-1 Fire Classification of B-S2-D0.

Australia and New Zealand: DC315 has been tested to the AUS ISO- 9705 over spray polyurethane foam and meets Group 2 Classification. ISO5660 (part 1 and 2) tests confirm Group number classification as 1 which allows for the addition of the thermal barrier coating to upgrade the fire rating.

Testing

USA
• ASTM E84 - Flame Spread 0 Smoke 10
• NFPA 286, UL1715
• ASTM E2768 - 30 minute Ignition Resistant material

Canada
• CAN/ULC S102 FSR 0 SDC 25
• CAN/ULC S101
• CAN/ULC 9705 10 and 20 minute assembly testing
• CAN/ULC S-145 - 20 Minute Rating

European Union
• BS 476 Part 6 & 7
• BS EN ISO 11925-2
• EN 13823
• EN 13501 Classification B S2 D0

Australia/New Zealand
• AUS ISO 9705
• AS/NZS 1530.3
• AS 5637.1 Group Classification 2, NZBC Group 2-S
• ISO 5660 Parts 1 and 2

Pump: (Graco) UltraMax 795 or equivalent
Pump: (Graco) TexSpray Mark 5 or equivalent
Pump: (Graco) GMAX 7900 or equivalent
Pump: (Graco) GH 833 or equivalent

PSI: 3000
PSI: 3300
PSI: 3300
PSI: 4000
PSI: 3000

GPM: 1.1
GPM: 1.35
GPM: 2.2
GPM: 4.0
GPM: 3000

Tip: 517 - 523 or equivalent.
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Filter: Removal from the machine and gun is required
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Hose: 3/8” diameter airless spray line for the first 100’ from pump and 1/4” x 3’ whip
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Hose: 1/2” diameter airless spray line for the first 100’-300’ from pump and 1/4” x 3’ whip
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