



DC315 Intumescent Coating

Description

DC315 is an intumescent coating for Spray Polyurethane Foam (SPF) and provides an alternative 15 or 20 minute thermal barrier. Tested and evaluated in the **USA by UL and ICC-ES, AND Canada by ULC and CCMC**, DC315 is the most tested and approved alternative thermal barrier on the market today!

To be approved as an Alternative Barrier System, DC 315 is applied over a manufacturer's SPF and tested to the criteria of NFPA 286, or CAN/ULC S-145 for duration of 15-20 minutes by an accredited fire testing facility. DC 315 has also been tested as an ignition barrier under AC 377 Appendix X. 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

- 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 as a component of exterior wall systems in accordance with NFPA 285 with various architectural cladding options UL File R40016
- More certified full scale Thermal and Ignition Barrier tests than any other product in the world
- DC315 manufacturing facilities are 3rd party Listed and Inspected
- Tested useful life, fire resistant property is not compromised after 50 years.
- Topcoat for color, weather and moisture protection, tested via NFPA 286 full scale testing
- 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
- "Single Coat Coverage" up to 24 Mils WFT on ceilings and walls
- Meets Life Safety Code NFPA 101
- LEEDS compliant
- No formaldehyde

*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

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|-------------------------|--|
| Finish: | Flat |
| Color: | Ice Gray, White, Dark Grey and Charcoal Black |
| V.O.C.: | 18 g/l |
| Volume Solids: | 67% |
| Drying Time | @ 77°F & 50% RH To touch 1-2 hours to recoat 2 to 4 hours |
| Type of Cure: | Coalescence |
| Flash Point: | None |
| Reducer/Cleaner: | Water |
| Shelf Life: | 1 year (unopened) |
| Packaging: | 5 & 55 gallon containers |
| 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 |



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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 803.1.2 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 3.1.5.12 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 S 101
- CAN/ULC 9705 10 and 20 minute assembly testing
- CAN/ULC S-145

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|----------------|---|
| Pump: | (Graco) UltraMax 795 or equivalent |
| PSI: | 3000 |
| GPM: | 1.1 |
| Tip: | 517 - 523 or equivalent. |
| Filter: | Removal from the machine and gun is required |
| Hose: | 3/8" diameter airless spray line for the first 100' from pump and 1/4" x 3' whip |
| Pump: | (Graco) TexSpray Mark 5 or equivalent |
| PSI: | 3300 |
| GPM: | 1.35 |
| Tip: | 517 - 523 or equivalent. |
| Filter: | Removal from the machine and gun is required |
| Hose: | 3/8" diameter airless spray line for the first 100' from pump and 1/4" x 3' whip |
| Pump: | (Graco) GMAX 7900 or equivalent |
| PSI: | 3300 |
| GPM: | 2.2 |
| Tip: | 517 - 529 or equivalent. |
| Filter: | Removal from the machine and gun is required |
| Hose: | 1/2" diameter airless spray line for the first 100'-300' from pump and 1/4" x 3' whip |
| Pump: | (Graco) GH 833 or equivalent |
| PSI: | 4000 |
| GPM: | 4.0 |
| Tip: | 517 - 529 or equivalent. |
| Filter: | Removal from the machine and gun is required |
| Hose: | 1/2" diameter airless spray line for the first 100'-300' from pump and 1/4" x 3' whip |

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



International Fireproof Technology Inc.
The Ultimate in Firestop Solutions and Fire Protective Coatings

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