



# DC315 Intumescent Coating

## Description

DC315 intumescent coating for Spray Polyurethane Foam (SPF) provides an alternative 15 or 20 minute thermal barrier. Fully Tested and listed in the **USA by ICC-ES, AND Canada by 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, UL 1715 or ISO-CAN/ULC 9705 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 Tested Solutions for Spray Polyurethane Foam

- More full scale Thermal and Ignition Barrier tests than any other product in the world
- DC 315 - 3rd. party listed marked and inspected for Quality Control: QAI Laboratories File B1117
- Tested useful life, fire resistant property is not compromised after 50 years
- Top coat for color, weather & moisture protection, tested, via NFPA 286 full scale testing
- ANSI 51 testing for incidental food contact
- Passed CAL 1350 - qualify DC 315 as a low-emitting material in the Collaborative for High Performance Schools rating system (CHPS Designed & CHPS Verified)
- Passed strict EPA - V.O.C. and AQMD air emission requirements (for all 50 states)
- 3rd Party tested "Single Coat Coverage" up to 24 Mils WFT, on ceilings and walls, reducing labor costs equaling higher profits
- Meets Life Safety Code 101
- Meets LEED's point

\*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, cold storage, parking garages, high humidity, or any unconditioned spaces.



## Specifications

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

# DC315 Intumescent Coating

Visit us at our website [www.painttoprotect.com](http://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 and UL 1715 test 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 2009 IBC Section 803.1.2, and Section 2603.9; 2012 IBC Section 803.1.2 and Section 2603.10

**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,
- ASTM E2768- 30 minute Ignition Resistant material

### Canada

- CAN/ULC S102 FSR 23 SDC 145 - (tested as a system over SPF)
- CAN/ULC S 101
- CAN/ULC 9705 10 and 20 minute assembly testing
- CAN/ULC S-145

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



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