



**DC 315** is the most tested and approved product in the world for use as an "Alternative Thermal Barrier Coating System" over Spray Polyurethane Foam (SPF).

Visit us at our website [www.painttoprotect.com](http://www.painttoprotect.com) to obtain current product testing and certifications.

### Product Application Guide

In order to validate warranty and confirm the installation complies with IFTI's "Best Practices", installer must obtain and read all current installation documents: Application Guide, Master Specification, Ventilation Guide and Job Work Report.

DC315 is designed for use in interior conditioned spaces, for use in unconditioned spaces, cold storage or high humidity please contact us for detailed application instructions.

All documents can be downloaded at [www.painttoprotect.com](http://www.painttoprotect.com) or by calling IFTI at 949.975.8588.

Properties	Value
Finish	Flat
Color	Ice Grey, Standard White and Dark Grey available by special order
V.O.C.	47g/L
Solids By Volume	67%
Specific Gravity	1.30+/-0.05 g/cc
Drying Time	@77°F & 50% R.H. – To touch 1 – 2 hours, to recoat if required 2 to 4 hours
FlashPoint	None
Reducing or Cleaning	Water
ShelfLife	1 year from date of manufacture in unopened containers and stored at 10 °C to 27°C (50°F to 80°F) Do not allow product to freeze.
Packaging	5 Gal. Pail -Weight 58 lbs. 55 Gal. Drum – Weight 640 lbs.

### Advantages of Using DC315 over SPF

- Listed on ICC-ES Report 3702 clear evidence of compliance with codes and standards. Fully compliant to AC456
- Over 200 full scale fire and liability-safety tests worldwide
- Third party inspected manufacturing, marked & listed by Warnock Hersey Intertek W/N 20947, Meets AC85 requirements
- Passed CA L1350 – extended VOC testing during curing; safe for use in schools and high occupancy buildings
- Tested with Top Coats for color matching and use in extreme environments
- Approved for Incidental Food Contact complies with NSF/ANSI-51 requirements of USDA
- Meets Life Safety Codes 101 and LEED's points requirements
- Single coat coverage – Including ceilings, reduces labor and material costs equaling higher profits
- Single component water based formulation means fast and easy clean-up, no waste and no complicated mixing
- Easily applied with a sprayer, roller, or brush
- 1- year shelf life
- No Formaldehyde

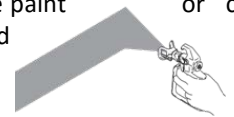
**Material Preparation:** DC315 must be thoroughly mixed for 3-5 minutes prior to application. Failure to do so will compromise the materials performance and may create issues with adhesion. Mechanical stirring with a low speed drill and a paddle appropriate for the container size is recommended. **Material must be stirred from the bottom up** making sure the bottom and sides are scraped with a paint stick during the mixing process to ensure all materials are completely mixed prior to the application. Material should be mixed to a creamy consistency with no lumps. Thinning is not usually needed, but if the material has been exposed to prolonged periods of high temperatures during storage, evaporation of the water based material may have taken place. Typically, the liquid level should be about 3 inches from the top of the 5-gallon pail. If the level of material is lower, a maximum of 8 Oz. of clean bottled water may be added during the mixing to address this issue. Add water slowly and continue mixing to ensure you do not over thin the product.

**Temperature and Humidity:** Ensure temperature and humidity are monitored during installation, and for 3-4 days after application. Failure to comply with temperature and humidity guidelines may affect the adhesion of DC315. Obtain a ventilation guide prior to commencing installation. Apply DC315 when temperatures are above 10°C (50°F), Ideal conditions are 16°C-32°C (62°F to 90°F) and 65% Relative Humidity. **If temperatures are below 10°C (50°F) or when humidity is above 85% or temperature is within 5°C of dew point CONTACT IFTI for detailed application instructions.**

**Ventilation:** When spraying in enclosed spaces, regardless of size, adequate ventilation is required to remove excess moisture from the application area. The use of fans may be required in some cases to ensure a minimum of 0.3 air changes per hour. Prior to starting a job please be sure to download a complete **ventilation guide** at [www.painttoprotect.com](http://www.painttoprotect.com)

**Application Equipment:** Remove all filters from machine and gun. Proper equipment and settings are imperative for correct application. DC315 requires high pressure to atomize the coating at the spray tip, correct atomization will yield a more consistent spread rate and easier coverage of uneven surfaces. Using the table on page 2, ensure you match your tip size to your machine- this is critical to ensure correct pressure at the spray tip. If the spray pattern has fingers or tails, then the pressure should be increased.

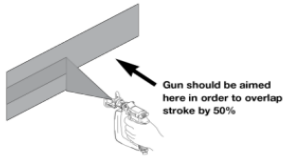
If the maximum pressure of the sprayer is not enough to achieve a good spray pattern, a spray tip with a smaller orifice should be used. A good spray pattern indicates that the paint or coating is completely atomized and distributed evenly on the surface. Hose length should be appropriate for your machine and always ensure your feed hose is larger than your whip. Having a smaller whip will serve to re-pressurize the coating at the spray gun and assist in correct atomization of the coating.



### Application:

Apply DC315 in two passes using the overlap technique with one pass left to right followed immediately by a second pass up and down. This technique ensures that an even amount of coating has been sprayed onto the surface. The spray gun should be aimed so

that the tip points at the edge of the previous stroke, overlapping each stroke by 50%.



To maximize efficiency when spraying on broad, open surfaces like ceilings and bare walls, the outside edges of walls should be sprayed first. The middle can then be sprayed quickly, requiring less precise strokes.

DC315 may be installed up to a MAX of 24 mils WFT in one coat. If, following the first coat you still have bald areas of foam DO NOT continue applying, complete the rest of the project and then return to touch up bald areas once the product has been allowed to cure slightly.

Job Work Records should be filled out for Each and Every Job.

Completed Work Records can be submitted to [workrecords@painttoprotect.com](mailto:workrecords@painttoprotect.com) Within 10 Days of Job Completion.

Pump:	Graco UltraMax795or equivalent
PSI:	3000
GPM:	1.00
Tip:	517 - 521 or equivalent.
Filter:	Removal of filter from machine and gun (if present) is required
Hose:	3/8" diameter airless spray line for the length of hose from pump and 1/4" x 6' whip at gun
Pump:	Graco TexSpray Mark5 or equivalent
PSI:	3300
GPM:	1.35
Tip:	517 - 523 or equivalent.
Filter:	Removal of filter from machine and gun (if present) is required
Hose:	3/8" diameter airless spray line for the length of hose from pump and 1/4" x 6' whip at gun
Pump:	Graco GMAX 7900 or equivalent
PSI:	3300
GPM:	2.2
Tip:	517 - 529 or equivalent.
Filter:	Removal of filter from machine and gun (if present) is required
Hose:	1/2" diameter airless spray line for the first 100'-200' from pump. 3/8" for last 50' and 1/4" x 6' whip at gun
Pump:	Graco GH 833 or equivalent
PSI:	4000
GPM:	4.0
Tip:	517 - 529 or equivalent.
Filter:	Removal of filter from machine and gun (if present) is required
Hose:	1/2" diameter airless spray line for the first 100'-250' from pump. 3/8" for last 50' and 1/4" x 6' whip at gun

### General Safety, Toxicity, Health Data

Material Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the M.S.D.S. In case of emergency contact CHEMTREC EMERGENCY NUMBER at 800-424-9300.

**WARNING:** Avoid eye contact with the liquid or spray mist. Applicators should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

### EYE PROTECTION:

Safety glasses, goggles, or a face shield are recommended.

### SKIN PROTECTION:

Chemical resistant gloves are recommended, cover as much exposed skin area as possible with appropriate clothing.

### RESPIRATORY PROTECTION is MANDATORY!

Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application.

### INGESTION:

Do not take internally.

Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

### Limitations

DC315 is for Interior use, Contact IFTI for detailed application instructions when applying in unconditioned space such as, but not limited to cold storage, parking garages or high humidity environments such as indoor swimming pools.

### Limited Warranty

This product will perform as tested if applied and maintained according to our directions, instructions and techniques. If this product is found to be defective upon inspection by its representative, the seller will, at its option, either furnish an equivalent amount of new product or refund the purchase price to the original purchaser of this product. Seller will not be liable for any representations made by any retail seller or applicator of the product. THIS WARRANTY EXCLUDES (1) LABOR OR COST OF LABOR FOR THE APPLICATION OR REMOVAL OF THIS PRODUCT OR ANY OTHER PRODUCT, THE REPAIR OR REPLACEMENT OF ANY SUBSTRATE TO WHICH THE PRODUCT IS APPLIED OR THE APPLICATION OF REPLACEMENT PRODUCT, (2) ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. OTHER LIMITATIONS APPLY. For the complete terms of the limited warranty, go to [www.painttoprotect.com](http://www.painttoprotect.com). Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. To make a warranty claim, write to Technical Service,

International Fireproof Technology, Inc.,  
17528 Von Karman Avenue, Irvine, CA 92614  
Phone: 949.975.8588  
Or email Customer Service at [ptp@painttoprotect.com](mailto:ptp@painttoprotect.com)

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