



# Aloha Energy

## DC 315 Intumescent Paint

**Your One-step solution for Polyurethane Foam  
“15 Minute Thermal Barrier” and “Ignition Barrier” ratings.**

**DC315** is a Certified Warnock Hersey listed and rated product which has passed certified testing for both the **(UL-1715) 15 minute Thermal Barrier** and the **NFPA 286 (AC-377 standards) as an Ignition Barrier.**

### Benefits

What is truly amazing is DC315 is an easy to apply new state-of-the-art, water based latex paint. It is as easy to apply as regular latex paint. Using DC315 to satisfy code compliance on “15 Minute Thermal Barriers” and “Ignition Barriers” on your next foam job means:

- ✓ **Large single coat spread rate**
- ✓ **UL 1715 Thermal Barrier – 88.88 sq. ft./gal @ 18 mils wet and 12 mils dry**
- ✓ **NFPA 286 (AC377) Attic Crawl Space Ignition Barrier 130 sq. ft./gal @ 12 mils wet 8 mils dry**
- ✓ **Reduced labor cost, reduced material cost and higher profits**
- ✓ **Fast turnaround time**
- ✓ **Easily applied with a sprayer, brush or roller**
- ✓ **No complicated mixing- just stir the paint before application**
- ✓ **No waste**
- ✓ **Fast and easy clean up of our water based latex product, tools & equipment**
- ✓ **Will not gum up or block spray equipment**
- ✓ **Passed strict EPA – VOC and AMQD tests**
- ✓ **Non Toxic, Low Vapors, Low VOCs**
- ✓ **No Formaldehyde**
- ✓ **Two year shelf life**
- ✓ **Certified Code Compliant Coating**

### Recommended Uses

This product is designed for use on interior polyurethane foam surfaces in Schools, Colleges, Nursing Homes, Child Care Centers, Hospitals, Penal Institutions, Apartments, Hotels, Factories, Warehouses, Retail Stores, Restaurants, Utilities, Railroad and other Transportation Companies, Oil and Chemical Installations, Military Installations, and other facilities where fire retardant coatings are required.



## Application & Equipment

DC315 can be applied by brush, roller or airless sprayer.

**Brushing:** Use top quality polyester/nylon blend brushes such as those supplied by Purdy, Wooster, or equivalent.

**Rolling:** 3/8" polyester blend nap roller covers generally work well.

**Spraying:** Pump: (Graco) For best results use a piston pump airless sprayer, with a minimum 1GPM rating at 3000psi.

- Tip: 017 - 021, or equivalent.
- Filter: 100 mesh
- Hose: Use minimum size of 3/8" airless spray line for the first 50' from pump.
- Use of a dedicated spray line is required.

### **Airless Spray:**

- Fluid Pressure: .....2100 PSI or higher
- Strainer: .....100 Mesh
- Fluid Hose: .....3/8 diameter with a 1/4" whip
- Tip: .....017 - .021

### **Conventional Spray**

- Air Supply. 12 CFM, 50 psi at nozzle,
- Fluid..... 15-20 psi
- Gun. .... Graco 217-800 to 217-816
- Type . . . . . External Mix
- Reduction . . . . .Up to 7%

**Application:** Stir thoroughly and apply WFT per test. Do not apply in temperatures below 50°F (10°C).

## Characteristics:

**Finish** . . . . .Flat

**Color.** . . . . .Off-White

**Spreading Rate** . . . . For 15 minute Thermal Barrier 88.88 sq. ft./gal @ 18 mil wet and 12 mils Dry

**Spreading Rate** . . . . For AC377 Attic Crawl Space 130 sq. ft./gal @ 12 mil wet 8 mils Dry

**Coverage** . . . . .88.88-130 sq. ft./gal @ 8 mil dry – 12 mils Dry



Characteristics: (cont'd)

- V.O.C.** . . . . . (56 g/l)
- Volume Solids** . . . . . 65%
- 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** . . . . . 2 years (unopened)
- Packaging.** . . . . . 1 & 5 gal. Containers
- Shipping weight** . . . . 1 gal - 13 lbs  
5 gals - 58 lbs
- Application** . . . . . Brush, roller, conventional and airless spray

Fire Hazard Classification

DC315 is a certified Warnock Hersey listing and meets all requirements UL1715 15 Minute Thermal Barrier of ICC-ES and NFPA 286 new AC 377 criteria. DC315 passed UL 723 at 0 flame spread index and 10 smoke developed index. DC 315 has done multiple testing and passed multiple foams on all tests. The rooms for the UL 1715 Bay Systems wall insulation to the UL 1715 test room on the back wall, right wall, and ceiling. The walls and ceiling were sprayed with 6 inches of foam. The assembly was made up of 20 gauge metal studs spaced 24 inches oc then 5/8 type X gypsum wallboard was screwed on the inside of the studs. The rooms for the NFPA 286 consisted of three walls with 2x12 studs, 24 inches o.c. and 2x16 joists, 24 inches o.c. with a ½ inch gypsum wall board. The final interior dimensions were 8 feet high, 8 feet wide and 12 feet deep. Ceiling joists ran parallel to the short dimension of the room. The corner was constructed such that two studs met at their edges, forming a 90° angle. The spray foam was applied in the stud cavities to a maximum thickness of 12 inches on the walls and 16 inches on the ceiling .

ALOHA ENERGY - Pricing (minimum 5 gal increments)

| Product          | 5-100 Gallons | 105-500 Gallons | 551-1000 Gallons | Over 1005 Gallons |
|------------------|---------------|-----------------|------------------|-------------------|
| DC315 Foam Paint | \$69.00       | \$65.00         | \$63.00          | \$59.00           |
| Price per Sq.ft. | .77           | .73             | .70              | .66               |

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