

GUARDFOAM[®] 55

Spray Foam Insulation

FIRE-LOK IB
FOR IGNITION BARRIER ONLY

DC-315-IB

Product Design

DC-315 IB is a single component, single application, spray or roller applied protective coating used as an Ignition Barrier when applied on spray applied urethane foam. DC-315 is a Certified Warnock Hersey listed and rated product, having passed certified testing for the **NFPA-286 Thermal Barrier and the Modified NFPA 286 for spray Ignition Barrier testing per AC 377 Appendix X.**

FIRE LOK IB is an approved product for use with GuardFoam[®] 55.

Product Use

FIRE-LOK IB is approved for use as an Ignition Barrier over GuardFoam 55 OC. When applied at a maximum thickness of 5 ½ inches on the walls and 11 ¼ inches on the ceilings, **FIRE-LOK IB** must be applied at a rate of 8 wet mils (1/2 gallon per 100 square feet) to meet the Ignition Barrier requirements per AC 377 appendix X.

FIRE-LOK IB has a spread rate of 200 sq. ft. per gallon as an ignition barrier over GuardFoam 55 OC.

Application Requirements for Ignition Barriers

FIRE-LOK IB	Wet mils	Dry mils	Coverage Rate
Ignition Barrier GuardFoam 55 OC	8	5	200 sq. ft. per gal

Physical Properties

Properties	Value
Finish	Flat
Color	Off-White
V.O.C.	47g/L
Solids By Volume	65%
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
Flash Point	None
Reducing or Cleaning Agent	Water
Shelf Life	2 years from date of manufacture in unopened containers and stored at 5°C to 35°C (40°F to 95°F)
5 Gal. Container Weight	58 lbs.
55 Gal. Container Weight	670 lbs.

Product Credentials/Characteristics

- NFPA-286 Approved
- Passed strict EPA – VOC and AMQD tests
- Non Toxic, Low Vapors, Low VOCs
- Two year shelf life
- For Ignition Barrier testing per NFPA 286 per AC377 appendix X.
- CAL-1350

Product Application

Stir thoroughly and apply wet film thickness per specific test reports. Do not apply at temperatures below 50°F.

Application Equipment

FIRE-LOK IB 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 when applying FIRE-LOK IB by roller.

Spraying

Airless Spray:	Electric
Pump:	(Graco) TexSpray Mark 4 or equivalent
GSM:	1.25
Tip:	524 - 529 or equivalent
Filter:	30 mesh, removal of filter is recommended from gun and machine
Hose:	3/8" diameter airless spray line for the first 100' from pump and ¼" x 3' whip

Pump:	(Graco) TexSpray Mark 5 or equivalent
GSM:	1.25
PSI:	3300
GPM:	1.35
Tip:	524 - 529 or equivalent
Filter:	30 mesh, removal of filter is recommended from gun and machine
Hose:	3/8" diameter airless spray line for the first 100' from pump and ¼" x 3' whip

Airless Spray:	Gas
----------------	-----

Pump:	(Graco) GMAX 7900 or equivalent
PSI:	3300
Max GPM:	2.2
Tip:	524 - 529 or equivalent
Filter:	30 mesh, removal of filter is recommended from gun and machine
Hose:	3/8" diameter airless spray line for the first 100'-300' from pump and ¼" x 3' whip

Pump:	(Graco) GH 833 or equivalent
PSI:	4000
Max GPM:	4.0
Tip:	524 - 529 or equivalent
Filter:	30 mesh, removal of filter is recommended from gun and machine
Hose:	3/8" diameter airless spray line for the first 100'-300' from pump and ¼" x 3' whip

Surface Preparation

Surfaces must be clean, dry and free of all foreign matter.

Material Preparation

FIRE-LOK IB must be thoroughly mixed prior to application. Failure to do so will compromise the materials performance and may create issues with equipment used for the application of the product. Mechanical stirring with a high speed drill and a paddle appropriate for the container size is recommended. Material should 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, water may be added during the mixing to address this issue.

Gloves, goggles and a particle mask should be used during the application of the material. The area should also be well ventilated to remove any odors that may be irritating to the applicator or his customer.

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.

CLEAN UP: Water

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the 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. Contact Lapolla for a copy of the Model Respiratory Protection Program developed by API.

INGESTION: Do not take internally.

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

Disclaimer

The data presented herein is not intended for use by nonprofessional applicators, or those persons who do not purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent tests in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

The information herein is believed to be reliable, but unknown risks may be present. To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is to be used as a guide and is subject to change without prior notice. User must contact Guardian Building Products to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We assume no responsibility for coverage, performance or injuries resulting from use. NO WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY GUARDIAN BUILDING PRODUCTS, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING PATENT WARRANTIES OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.