



Product Description

Bayseal™ IC is a single component, water based, intumescent coating designed for application as an ignition barrier substitute over polyurethane foam in attics and crawl spaces.

Bayseal IC is formulated for application over a variety of rigid surfaces, including polyurethane foam to reduce heat transfer and surface burning in the event of a fire.

Unique Properties

Bayseal IC is formulated to have exceptional adhesion to polyurethane foam and a variety of other substrates. Bayseal IC when installed properly eliminates the need for an ignition barrier between polyurethane foam and the service area of attics and crawl spaces.

General Application Instructions

Bayseal IC may be applied by medium nap rollers, brushes, or by conventional or airless spray equipment designed to handle a tip size of 0.027 inches. Airless spray application is most efficient whereas rolling or brushing may be used for touch up, or to fill voids, pinholes, holidays or cracks. CONTACT BAYSYSTEMS TECHNICAL SERVICE PERSONNEL FOR SPECIFIC RECOMMENDATIONS, PRICING AND AVAILABILITY OF SPRAY AND AUXILIARY EQUIPMENT. Apply Bayseal IC only to clean, dry, sound surfaces, free of loose particles or other foreign matter that may interfere with the adhesion of the coating. A primer may be required subject to type and/or condition of the substrate. Consult BaySystems Technical Service Personnel for specific primer recommendations and substrate preparation procedures.

It is recommended that Bayseal IC be sprayed in multiple coats applied in multi-directional (north-south, east-west) passes to insure uniform film build and to avoid pinholing. Backrolling sprayed material may be necessary to fill pinholes in substrate. Final cured dry film thickness must be free of voids, pinholes, holidays, cracks or blisters. COATING APPLICATION SHOULD BE SUSPENDED IMMEDIATELY AND BAYSYSTEMS TECHNICAL SERVICE

PERSONNEL CONTACTED IF THE RESULTS OBTAINED ARE LESS THAN DESIRABLE.

Apply one (1) or more coats of Bayseal IC at the rate of 1.15 gallons per 100 square feet per coat. Minimum dry film thickness shall be 10-20 mils dependant upon application. CONTACT BAYSYSTEMS TECHICAL SERVICE PERSONNEL TO DETERMINE THE MIL THICKNESS NEEDED FOR YOUR APPLICATION. Accentuated surface profiles, which increase total surface, will require a proportionate increase in the amount of Bayseal IC to satisfy specified minimum dry mil thickness.

Limitations and Precautions

Bayseal IC is a water-based intumescent coating which will freeze and become unusable at temperatures below 32°F.

PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 50°F. Do not apply Bayseal IC when ambient air and substrate temperatures fall below 50°F or when there is a possibility of temperature dropping below 32°F within a 24-hour period after application.

Do not apply over wet substrates or when inclement weather is imminent. Total cure of Bayseal IC requires complete evaporation of water. Cool temperatures and high humidity retard cure. Furthermore, all white or light colored coatings can cause a premature artificial dew zone during the curing process under certain climatic conditions. This is generated as the water in the coating evaporates, cooling the white surface and attracting moisture in the form of dew. Therefore, do not apply if climatic conditions prevent complete cure before rain, dew, or freezing temperatures.

Bayseal IC is not a vapor barrier coating and not recommended for use over most cold storage installations. Where a vapor barrier is required, contact BaySystems Technical Service Personnel for proper selection and installation procedures.

Typical Physical Properties

Properties	Test Method	Value
Solids by Weight:	ASTM D 2240	67% ± 1
Solids by Volume	ASTM D1644	55% ± 1
Theoretical Coverage:	ASTM D 2697	100 s.f. at 8.8 dry mils
Weight per gallon:		11.0 lbs.
Color:		Ivory

Wet Physical Characteristics

Shelf Life:	12 month if properly stored
Clean Up:	Water

Product Reactivity

Dry to Touch:	4 hours
Tack Free Time:	12 hours
Cure:	24 hours

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: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons 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.

INGESTION: Do not take internally.

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

Disclaimer

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