Bayer MaterialScience

Product Information

BAYSEAL™ IC

Fire Resistant Intumescent Coating

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 polyurethane foam to reduce heat transfer and surface burning in the event of a fire. As with any product, use of Bayseal IC in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

Unique Properties

Bayseal IC is formulated to have adhesion to polyurethane foam and a variety of other substrates. Bayseal IC when installed properly, can eliminate the need for an ignition barrier between polyurethane foam and the service area of attics and crawl spaces. Contact your SPF supplier to confirm that the required testing has been completed.

Typical Physical Properties*

Properties	Test Method	Value
Solids by Weight	ASTM D 2240	67 % ± 1
Solids by Volume	ASTM D 1644	55 % ± 1
Theoretical Coverage	ASTM D 2697	100s.f./gal @ 8.8 dry mils
Weight per Gallon		11.0 lbs.
Color		Ivory

UL723 - Surface Burning Characteristics

Property	Flame Spread	Smoke Developed
10 mils Over Red Oak	0	125

Wet Physical Characteristics

Property	Value
Shelf Life	6months when properly stored
Clean Up	Water

Typical Dry Times

Dry to Touch	2 hours
Cure	24 hours

Application Rates

SPF System	Approved Application Rate** g/100 ft²
Open Cell	0.6
Closed Cell	0.5
Closed Cell Polar	0.5

** These items are provided as general information only. They are approximate values and are not part of the product specifications.*

*** Testing in accordance with ICC-ES AC377, Appendix X, Date 12/09.*

General Application Instructions

Bayseal IC may be applied by medium nap rollers, brushes and by conventional or airless spray equipment designed to handle a tip size of 0.034 inches.

Apply Bayseal IC only to clean, dry, sound surfaces that are free of loose particles or other foreign matter that may interfere with the adhesion of the coating.

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. Total cure of Bayseal IC requires complete evaporation of water. Cool temperatures and high humidity retard cure. Therefore, do not apply if climatic conditions prevent complete cure before 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 Bayer MaterialScience technical service personnel for proper selection and installation procedures.

Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling Bayseal IC. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. More resources are available at www.polyurethane.org, sprayfoam.org, baycareonline.com, or by contacting the Bayer MaterialScience Product Safety and Regulatory Affairs Department in Pittsburgh, PA.

Note: The information contained in this bulletin is current as of January 2011. Please contact Bayer MaterialScience to determine whether this publication has been revised.

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