

CertaCoat™ IC Intumescent Coating

1. PRODUCT NAME

CertainTeed CertaCoat™ IC Intumescent Coating

2. MANUFACTURER

CertainTeed Corporation
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Valley Forge, PA 19482-0105
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3. PRODUCT DESCRIPTION

Basic Use: CertaCoat IC Intumescent Coating is an ignition barrier applied to the surface of CertaSpray® open cell polyurethane spray foam.

Benefits: CertaCoat IC Intumescent Coating enhances the fire-rated performance of CertaSpray open cell spray foam insulation. It delivers best-in-class yield/coverage, at 200 f²/gallon, and is easy to use since it's a single-component coating. This latex-based product also allows flexibility in application method – an airless sprayer is recommended, but a roller or brush can also be used – and is easy to clean up with water.

Applications: CertaCoat IC Intumescent Coating can be spray-applied onto CertaSpray insulation that has been applied in open wall cavities, between perimeter joists and to cathedral ceilings, garage ceilings, attics and crawlspaces. Product is a certified ignition barrier tested to NFPA 286 with CertaSpray open cell. Product covers 200ft² per gallon. Note that CertaCoat IC is NOT a vapor barrier and thus should not be employed in situations which call for such a product.

Composition and Materials: CertaCoat™ IC Intumescent Coating is a single component, latex-base coating for use with a polyurethane spray foam system.

Limitations: *Maximum Use Temperature:* Ambient and substrate temperatures $\geq 50^{\circ}\text{F}$ recommended.

4. TECHNICAL DATA

CertainTeed CertaCoat™ IC Intumescent Coating has achieved ICC-ES approval. The evaluation report number is ESR-2668.

5. INSTALLATION

Mix well before use. All surfaces should be clean, dry and free of any dust or particulates that can potentially interfere with the proper adhesion of the coating. May be necessary to utilize primers if substrate or environmental conditions impede adhesion.

A crosshatch pattern (up-down, left to right) should be used for uniform coverage. Routine breaks in application are recommended to inspect and confirm coverage (thickness) is adequate in all areas.

Proper equipment includes an airless sprayer (recommended), roller or brush. Recommended tip sizes for the sprayer are 515-517.

CertaCoat IC should be applied in one (1) or more coats at a rate of 1 gallon per 200 square feet. Final wet film thickness must be ≥ 8 mils. Final dry film thickness must be ≥ 3.2 mils.

Curing: At 70°F/40% relative humidity (test conditions), product is cured to the touch after about 1 hour. Full cure achieved in 24 hours.

6. HANDLING AND STORAGE

Storage: It is recommended that the CertaCoat™ IC Intumescent Coating pails be stored between 50-80°F and protected from freezing. The storage life of chemicals is up to 12 months when stored according to the recommended conditions.

Packaging: CertaCoat™ IC Intumescent Coating comes packaged in 5-gallon pails.



7. HEALTH AND SAFETY

The health and safety information in this data sheet does not contain sufficient detail for safe handling in all cases. For detailed safety and health information refer to the Material Safety Data Sheet for this product.

8. AVAILABILITY AND COST

Distributed and sold throughout the United States. For availability and cost contact your local Territory Manager, contractor or distributor, or call CertainTeed Sales Support Group in Valley Forge, PA at 800-233-8990.

9. MAINTENANCE

No maintenance required.

10. TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group in Valley Forge, PA at 800-233-8990.

Physical and Mechanical Properties

PROPERTY	ASTM METHOD	VALUE
Density, pcf	D1475	11.0
Solids Content	D2369	> 60 wt %
VOC Content	D3960	72
Water Vapor Performance	E96 procedure A	TBD
Coating Thickness	E84	8 min 25 max
Tensile Strength, psi	D1623	60
Yield Approximate	N/A	200
Gross Weight Per Pail	N/A	58
New Weight per Pail	N/A	55
Tack Free Time*	N/A	1
Fully Cured*	N/A	24
Shelf Life*	N/A	12
Color**	N/A	Egg Shell White

* Tested under conditions of 70°F, 40% RH

** When stored at 50-80°F in factory sealed container

Fire Performance[†]

	TEST METHOD	RESULT
Flame Spread	ASTM E84	0
Smoke Developed	ASTM E84	10

[†] The results of the test method may not be indicative of real-life fire performance. All plastic insulation must be separated from the interior building by an approved thermal barrier of 1/2" gypsum wallboard or equivalent thermal barrier material as required by the building code.

Chemical Properties

	ASTM METHOD	Value
Viscosity	D562	103 KU @ 25°C



EMERGENCY CALLS:

CertainTeed Emergency Response Center
800-424-9300

CHEMTREC — Spills, Leak, Fire
800-424-9300 (in USA and Canada)

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