



Stars Management DMCC

SUBMITTAL

ALBI COTE FRL
(Fire Retardant Coating)

Albi Cote FRL

Albi Cote FRL is a water-based, co-polymer intumescent coating, which provides excellent fire retardant properties. Albi Cote FRL is odor-free and offers the advantages of easy application and cleanup. This durable fire retardant coating provides a serviceable, wash-resistant flat finish for a wide variety of interior applications. Designed for interior use, Albi Cote FRL is a quick drying special coating that reacts to flame or heat at 300° F (149° C) by expanding into a thick multicellular insulating blanket. This intumescent carbonaceous foam sharply limits the spread of flame and insulates the surface to which it is applied. Albi Cote FRL provides a decorative, washable and mar-resistant finish like conventional paint, with the added advantages of a Class A fire retardant coating.

Albi Cote FRL is recommended as a decorative interior finish for the protection of combustible wall and ceiling surfaces such as wood, fiberboard, plywood, particle board, etc. and as supplementary low flame spread and low smoke density protection when applied to plaster, gypsum wallboard, cinder block, etc. Albi Cote FRL is specially designed for application to combustible areas of public assembly such as restaurants, nursing homes, schools, corridors, stairwells, etc., where odor-free, quick drying features are desired.



PRODUCT DESCRIPTION:

Albi Cote FRL is a water-based, co-polymer intumescent coating, which provides excellent fire retardant properties. Albi Cote FRL is odor-free and offers the advantages of easy application and cleanup. This durable fire retardant coating provides a serviceable, wash-resistant flat finish for a wide variety of interior applications.

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special coating that reacts to flame or heat at 300° F (149° C) by expanding into a thick multicellular insulating blanket. This intumescent carbonaceous foam sharply limits the spread of flame and insulates the surface to which it is applied. Albi Cote FRL provides a decorative, washable and mar-resistant finish like conventional paint, with the added advantages of a Class A fire retardant coating.

RECOMMENDED USES:

Albi Cote FRL is recommended as a decorative interior finish for the protection of combustible wall and ceiling surfaces such as wood, fiberboard, plywood, particle board, etc. and as supplementary low flame spread and low smoke density protection when applied to plaster, gypsum

wallboard, cinder block, etc. Albi Cote FRL is specially designed for application to combustible areas of public assembly such as restaurants, nursing homes, schools, corridors, stairwells, etc., where odor-free, quick drying features are desired.

TEST DATA & APPROVALS:

Albi Cote FRL has been tested by Underwriters' Laboratories, Inc. in accordance with ASTM E-84 test procedures and is classified by UL, Inc. as providing Class A (0-25 flame spread) when applied to Douglas Fir. As

such, it is accepted by major building codes and insurance ratings organizations as an approved interior finish coating where such classification is required.

U.L., INC. TEST DATA:

Surface	Douglas Fir	
Coverage (sq. ft. per gal.)	175	225
Flame Spread	5	5
Smoke Development	45	40

WARRANTY

LIMITED WARRANTY/LIMITATION OF LIABILITY: Seller warrants that its products will meet the specifications which it sets for them. Seller's responsibility under this warranty will be limited solely to replacing the products which prove defective, provided that Buyer gives Seller prompt notice in writing of said defect and satisfactory proof thereof. Products may be returned to Seller only after written authorization has been obtained from Seller. The foregoing warranty is in lieu of all other warranties, whether oral, written, express, implied or statutory. IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WILL NOT APPLY. Technical or other advice is furnished by us solely as an accommodation and shall not increase the scope of our responsibilities or liability. Seller's warranty obligations and Buyer's remedies hereunder are solely and exclusively as stated herein: In no event will Seller be liable either for the labor and other associated costs incurred in replacing the product, including, but not limited to, its removal and application, or for other incidental or consequential damages.



Albi

Albi Manufacturing
Division of StanChem Inc.
401 Berlin St., East Berlin, CT 06023
860/828-0571 Fax: 860/828-3297
<http://www.albi.com>

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PHYSICAL PROPERTIES

DRYING TIME:	Air Dry – 30 minutes.	FLASH POINT:	Closed Cup - no flash.
RECOAT:	Two hours between coats.	SOLIDS BY WEIGHT:	60% ± 5%
PACKAGING:	1 gallon, 5 gallon and 55-gallon containers.	SOLIDS BY VOLUME:	48% ± 5%
COLORS:	White and standard colors	WEIGHT/GALLON:	10.89 to 10.99 lbs.
TINTING:	Universal Colorants not to exceed 2 oz per gallon.	WET FILM THICKNESS:	7.2 to 9.2 Mils
COVERAGE:	225 - 175 sq. ft. per gallon.	DRY FILM THICKNESS:	3.4 to 4.4 Mils
THINNER:	Water	VISCOSITY:	83 - 90 Kneb Units
		CLASSIFICATION:	Class A

ARCHITECTURAL SPECIFICATIONS:

SURFACE PREPARATION: All surfaces must be clean, dry, and free of grease or any surface contamination that will impair or prevent proper adhesion. Repair cracks or gouges with spackling compounds or wood putty. Sand Smooth and remove all dust. On glossy surfaces, sand lightly to provide “tooth.” For new wood or porous surfaces, prime with Albi 490W. For metal surfaces, clean and prime with rest preventative metal primer such as Albi 490W.

MATERIAL: Fire retardant coating shall be Albi Cote FRL as manufactured by Albi Manufacturing, Division of StanChem, Inc. or approved equal. Fire retardant coating shall be tested and classified by Underwriters’ Laboratories, Inc. offering evidence of Class A rating. Material shall be applied at the listed rate of coverage to conform to the UL classification and to the intent of this specification.

APPLICATION: Apply Albi Cote FRL in one or multiple coats to achieve specific coverage rate, assuring compliance with intent of specifications. Albi Cote FRL can be applied by conventional air, airless spray, brush or roller. For spraying consistency, thin with water not to exceed one half pint per gallon. Where there is a specified need for a deep tone decorator finish or wash ability, specify UL classified fire inert topcoat – Albi Cote TC Latex Semi Gloss.

Write for further test information on Albi-Cote FRL or our complete line of fire retardant coatings and fireproofing systems. Or you may visit our web site: www.albi.com.

SAFETY PRECAUTIONS:

Avoid contact with eyes and skin. Use with adequate ventilation. Do not apply at temperatures below 50 degrees F. Keep material from freezing. For safety information on Albi Cote FRL please request the current Material Safety Data Sheet.

Rev: 12/00

WARRANTY

LIMITED WARRANTY/LIMITATION OF LIABILITY: Seller warrants that its products will meet the specifications which it sets for them. Seller’s responsibility under this warranty will be limited solely to replacing the products which prove defective, provided that Buyer gives Seller prompt notice in writing of said defect and satisfactory proof thereof. Products may be returned to Seller only after written authorization has been obtained from Seller. The foregoing warranty is in lieu of all other warranties, whether oral, written, express, implied or statutory. IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WILL NOT APPLY. Technical or other advice is furnished by us solely as an accommodation and shall not increase the scope of our responsibilities or liability. Seller’s warranty obligations and Buyer’s remedies hereunder are solely and exclusively as stated herein: In no event will Seller be liable either for the labor and other associated costs incurred in replacing the product, including, but not limited to, its removal and application, or for other incidental or consequential damages.



Albi Manufacturing

Division of StanChem, Inc.
401 Berlin St., East Berlin, CT 06023
Emergency Telephone Number: CHEMTREC 1-800/424-9300
Information Telephone Number: 860/828-0571
Date of Preparation: 3/1/12

Section I - Product Identification

Product Number: 15X0200
Product Name: Albi Cote FRL
Product Class: Fire Retardant Coating

Section II - Health Hazard Data

Effects of Overexposure:

Inhalation: May cause headaches
Skin: Possible primary irritation
Eyes: Primary irritation
Ingestion: May cause gastrointestinal nausea, vomiting and diarrhea

Section III - Hazardous Ingredients

Ingredient	Percent Wt.	Occupational Exposure Limits				Vapor Pressure @20°C (mmHg)
		ACGIH TLV (ppm)	TWA (ppm)	OSHA STEL (ppm)	Ceiling (ppm)	

This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Section IV - First Aid Measures

First Aid Procedures:

Inhalation: Remove individual to fresh air
Skin: Wash thoroughly with soap and water. Remove contaminated clothing
Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician
Ingestion: Dilute with clear fluid, then immediately call a Physician or the Poison Control Center

Section V - Fire and Explosion Hazard Data

Flammability Classification:

OSHA: Not Flammable
DOT: Not Flammable
Flash Point: N/A
LEL: N/A

Extinguishing Media: Foam Alcohol Foam CO₂ Dry Chemical Fog

Unusual Fire & Explosion Hazards: N/A

Section VI - Accidental Release Measures

Steps to be Taken in Case

Material is Released or Spilled: Contain and absorb with inert absorbent

Section VII - Safe Handling and Storage

Handling:	Empty containers may contain product residue; follow MSDS and label warnings even after the container has been emptied
Storage:	Keep from freezing

Section VIII - Exposure Controls and Personal Protection

Respiratory Protection:	Approved mechanical filters designed to remove solid airborne particles from overspray during application
Ventilation:	Local exhaust as required by job conditions to keep TLV below acceptable limits. Refer to OSHA regulations 29 CFR Part 1910.94
Protective Gloves:	Recommended
Eye Protection:	Use Safety eyewear with splash guards or side shields
Other Protective Equipment:	None
Hygienic Practices:	Personnel should wash thoroughly after handling product. Always wash-up before eating, smoking or using the toilet facilities.
Other Precautions:	Avoid contact with eyes and skin

Section IX - Physical Data

Boiling Range:	180° - 350°F (82° - 177°C)
Weight per Gallon:	10.4 - 11.4 lb/gal
Percent Volatility:	36.0 – 38.0 %
Solids:	62.0-64.0%
VOC Content:	76 g/L
pH:	7.5-8.5

Section X - Stability and Reactivity

Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Hazardous Decomposition Products:	Combustion may produce carbon dioxide and/or carbon monoxide
Conditions To Avoid:	N/A
Incompatibility [Materials to avoid]:	Strong oxidizing agents

Section XI - Toxicological Information

Primary Routes of Exposure:	Skin Contact	Inhalation
Medical Conditions Prone to Aggravation by Exposure:	Sinus	Dermatitis
Product Toxicology		
Carcinogenicity:	NTP?	No
	IARC Monographs?	No
	OSHA Regulated?	No

Section XII - Ecological Information

Potential to Bioaccumulate:	Unknown
Aquatic Toxicity:	No data available for this product

Section XIII - Disposal Considerations

Waste Disposal Methods:	Disposal should be in accordance with local, state and federal regulations
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Section XIV - Transportation

Proper Shipping Name: Albi Cote FRL
Technical Name: Latex Paint
Identification Number: NA
Hazard Class/Division: NA
Packing Group: NA

The information provided herein may not include the impact of additional regulatory requirements (e.g. for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/or marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

Section XV - Regulatory Information

TSCA

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements

Section XVI - Other Information

Hazard Rating Systems

	NFPA 704*	HMIS**	Key:	0 = Insignificant
Health:	1	1	1 = Slight	2 = Moderate
Flammability:	0	0	3 = High	4 = Extreme
Reactivity:	0	0	B = Eye Protection and gloves	
Personal Protection:		B		

* National Fire Protection Association rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire")

** Hazardous Materials Identification System, National Paint and Coatings Association rating applies to product "as packaged" (i.e., ambient temperature)

Notice

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ALBI MFG, DIV OF STANCHEM INC

401 BERLIN ST
EAST BERLIN, CT 06023-1127 USA

R2810

Fire Retardant Coating Surface	Type 107A Douglas Fir	Type 107A Douglas Fir	Type 107A Douglas Fir	Type 107A Douglas Fir	Type 107A Douglas Fir
Flame spread	20	15	10	15	15
Smoke developed	0-5	5	5	5	5
Number of preliminary coats					
Rate per coat					
(Sq ft per gal)	—	—	—	—	—
Number of fire-retardant coats					
Rate per coat					
(Sq ft per gal)	175	150	200	200	150
Number of overcoats	None	None	None	1*	1*
Rate per coat					
(Sq ft per gal)	—	—	—	450	450

Flash point of liquid coating:

Fire-retardant coating: Type 107A: Closed cup, 100 F (37.8 C)

Overcoating Type 144: Closed cup: 106 F (41.2 C)

*Manufacturer's Type 144.

Fire Retardant Coating Surface	Type 107A Douglas Fir	Type 107A Cellulose Tile
Flame spread	10	15
Smoke developed	5	5-10
Number of preliminary coats		
Rate per coat	None	None
(Sq ft per gal)		
Number of fire-retardant coats	—	—
Rate per coat	2	1
(Sq ft per gal)		
Number of overcoats	175	150

Rate per coat	None	None
(Sq ft per gal)	—	—

Flash point of liquid coating:

Fire-retardant coating: Type 107A: Closed cup, 100 F (37.8 C)

Fire Retardant Coating Surface	Type ALBI COTE FRL	
	Douglas Fir	Douglas Fir
Flame spread	5	5
Smoke developed	50	45
Number of preliminary coats		
Rate per coat	None	None
(Sq ft per gal)	—	—
Number of fire-retardant coats	1	1
Rate per coat		
(Sq ft per gal)	175	225
Number of overcoats	None	None
Rate per coat	—	—
(Sq ft per gal)		

*Overcoating: ALBI-COTE TC.

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