



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>

ALBI COTE 487S Primer

(Product Data Information)

page 1 of 2

PRODUCT DESCRIPTION:

Albi 487S is a rust inhibitive, phenolic modified alkyd primer, designed as a shop coat or field primer for structural steel and other metal substrates. It has been specifi-

cally formulated for compatibility with Albi Intumescent Fireproofing materials, strong solvent base paints and mastics, which may lift or blister other primer coatings.

RECOMMENDED USES:

487S is recommended for use whenever a top quality metal primer is required. Primary applications are for installations to be fireproofed with solvent based fireproofing

coatings or mastic systems such as Albi Clad 800 when such fireproofing will be exposed to weathering, humid or corrosive environments.

PHYSICAL PROPERTIES:

DRYING TIME: Air Dry – 15 minutes.
RECOAT: Two hours between coats.
PACKAGING: 1 gallon, 5 gallon and 55-gallon containers.
COLOR: Red
GLOSS: Flat
SOLVENT: Aromatic Solvents
FLASH POINT (TCC): 58° F (14° C)

WEIGHT/GALLON: 11.80 to 12.00 lbs.
SOLIDS BY WEIGHT: 66% ± 3%
SOLIDS BY VOLUME: 60% ± 3%
COVERAGE: 962 - 320 sq. ft. per gallon
WET FILM THICKNESS: 2.00 - 5.0 Mils
DRY FILM THICKNESS: 1.0 - 3.0 Mils
VISCOSITY: 40 - 50 sec. #4 Zahn Cup

APPLICATION:

Recommended Thickness: Surface profiles and porosity should be considered when determining coverage rates. For use under normal interior conditions, apply 1 to 1-1/2 mils DFT at a theoretical coverage rate of 962 to 641 square feet per gallon. For corrosive or exterior exposures, apply at 2 to 3 mils DFT at a theoretical coverage rate of 481 to 320 square feet per gallon. Application may be made by brush, roller or spray gun using standard equipment and techniques.

Surface Preparation: Surface preparation should follow the recommendations of the Steel Structures Painting Council. In general, standard instructions for painting metal surfaces apply: Be sure surfaces are clean of all dust, rust,

mill scale, grease, oil, or other foreign residue that may impair adhesion. Sandblasting is required when the surface is encrusted with rust, scale or other bond inhibiting residue not readily removed by hand or chemical means. In areas where sandblasting is not permitted or feasible, power cleaning for steel (SSPC-SP3-63) is recommended.

Thinning: For brush application, dilute 4 parts Albi 487S with one part high flash naphtha. For spray application dilute 4 parts Albi 487S with one part toluene, xylene, or similar aromatic solvents.

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.



APPLICATION (cont.):

Dry Time: Albi 487S is a fast-drying primer. Best results require at least 48-72 hours of curing time prior to overcoating with heavy-bodied mastics. Allow a minimum drying time of 4 hours at room temperature if overcoating with a thinner paint film such as Albi Cote 107A.

Clean-up: Clean brushes, rollers and spray equipment promptly with toluene, xylene or similar aromatic solvents.

Storage: Store in tightly closed containers. Keep between 40-90° F (4-32° C)

Packaging: 1,5, & 55 US gallon containers.

Write for further test information on Albi Cote 487S or our complete line of fire retardant coatings and fireproofing systems. Or you may visit our web site: www.albi.com.

SAFETY PRECAUTIONS:

Albi 487S Primer contains flammable solvents. Never apply material near open flame or excessive heat. Proper ventilation should be provided especially in enclosed areas. Avoid prolonged breathing of vapor and repeated contact

with skin. For safety and health information on Albi 487S, please refer to our current Material Safety Data Sheet.

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: 2/4/08

Section I - Product Identification

Product Number: 15X0500
Product Name: Albi 487S Primer
Product Class: Alkyd

Section II - Hazardous Ingredients

Ingredient	Percent Wt.	Occupational Exposure Limits				Skin	Vapor Pressure @20°C (mmHg)
		ACGIH TLV (ppm)	ACGIH TWA (ppm)	OSHA STEL (ppm)	Ceiling (ppm)		
Xylene* CAS #[1330-20-7]	21.6	100	100	150		7.5	
Mineral Spirits CAS #[8052-41-3]	6.4	100	100			2.0	
Aliphatic Petroleum Distillates CAS #[64742-47-8]	1.3		100	NE			
n-Butyl Alcohol CAS #[71-36-3]	1.3			NE	50	6	
Isobutyl Alcohol CAS #[78-83-1]	1.3		50	NE		12	
VM & P Naphtha CAS #[8032-32-4]	1.3		300	NE		2-20	

* Contains ethylbenzene CAS #[100-41-4]

Section III - Physical Data

Boiling Range: 275-315°F
Vapor Density: Heavier Than Air
Evaporation Rate: Slower Than Butyl Acetate
VOC Content (g/l): 481.5
Weight per Gallon: 11.5 - 12.5 #/gal.

Section IV - Fire and Explosion Hazard Data**Flammability Classification:**

OSHA: Flammable Liquid –Class IC
DOT: Flammable Liquid
Flash Point: 83°F-Tag Closed Cup
LEL: 1.0%

Extinguishing Media: Foam Alcohol Foam CO₂ Dry Chemical Fog

Unusual Fire and Explosion Hazards: Water may be used to cool containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat. Vapors are heavier than air. Vapors may travel across the ground and reach a remote ignition source causing a flashback fire.

Special Firefighting Procedures: Fight as volatile liquid fire. Closed containers may explode when exposed to extreme heat. Use water to keep fire exposed containers cool to reduce the pressure.

Section V - Health Hazard Data

Effects of Overexposure:	Inhalation: May cause nasal and respiratory tract irritation, dizziness, weakness, fatigue and headaches. Skin: Prolonged or repeated contact may cause moderate irritation, dermatitis, defatting. Eyes: May cause severe irritation, redness, tearing, blurred vision. Ingestion: May cause gastro-intestinal irritation, nausea, vomiting, and diarrhea.
Medical Conditions Prone to Aggravation by Exposure:	Sinus and Dermatitis
Primary Route(s) of Entry:	Dermal Inhalation
Carcinogenicity:	NTP? No IARC Monographs? Ethyl Benzene - Group 2B OSHA Regulated? No
Emergency and First Aid Procedures:	Inhalation: Remove individual to fresh air. Administer oxygen if breathing is difficult. 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 immediately with clear fluid. Call a physician or Poison Control Center.

Section VI - Reactivity Data

Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Hazardous Decomposition Products:	Combustion may produce carbon dioxide, carbon monoxide, and/or various hydrocarbons.
Conditions To Avoid:	N/A
Incompatibility (materials to avoid):	Strong Oxidizing agents.

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled:	Avoid all sources of ignition. Avoid breathing vapors. Ventilate area. Stop spill at source; dike to prevent spreading. Pump liquid into containers. The remainder should be removed with inert absorbent, using non-sparking tools.
Waste Disposal Method:	Dispose of in accordance with local, state and federal regulations.

Section VIII - Safe Handling and Use Information

Respiratory Protection:	When applying product by sprayer, use approved chemical/mechanical filters designed to remove combination of organic vapors and solid airborne particles from overspray during application. When applying product by brush, or roller, no respiratory protection is required.
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:	WEAR APPROPRIATE CHEMICAL RESISTANT GLOVES.
Eye Protection:	Use safety eyewear with splash guards or side shields.
Other Protective Equipment:	Wear protective clothing
Hygienic Practices:	Eye wash and shower should be available. Use under well ventilated conditions. Personnel should wash thoroughly after handling product. Always wash-up before eating, smoking or using the toilet facilities. Do not breath vapors, do not contact eyes, skin, and clothing.

Section IX - Special Precautions

Precautions To Be Taken in Handling and Storing:	Keep away from heat or open flames.
Other Precautions:	Avoid contact with eyes and skin. Avoid breathing vapors and spray mist during application.

Notice

This information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of StanChem's knowledge or obtained from sources believed by StanChem to be accurate. StanChem does not assume any legal responsibility for use or reliance upon same. Customers are encouraged to conduct their own tests. For additional technical information contact StanChem.