



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 490W Primer
(Product Data Information)

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PRODUCT DESCRIPTION:

Albi 490W is a rust inhibitive, acrylic primer, designed as a shop coat or field primer for structural steel and other metal substrates. It has been specifically formulated for compatibility with Albi Intumescent Fireproofing

materials, strong solvent base paints and mastics, where a water-based primer is preferred or required.

RECOMMENDED USES:

490W is recommended for use whenever a top quality metal primer is required. Primary applications are for installations to be fireproofed with either water based or

solvent based fireproofing coatings such as Albi Clad TF and/or Albi Clad 800.

PHYSICAL PROPERTIES:

DRYING TIME: Air Dry – 45 minutes.
RECOAT: Two hours between coats.
PACKAGING: 1 gallon, 5 gallon and 55-gallon containers.
COLOR: Red
GLOSS: < 10°
SOLVENT: Water
FLASH POINT (TCC): None
VOC's: 1.35 lbs. per gallon 161.3 gm/liter

WEIGHT/GALLON: 11.0 to 11.50 lbs./gallon
SOLIDS BY WEIGHT: 52% ± 3%
SOLIDS BY VOLUME: 41% ± 3%
COVERAGE: 328 - 219 sq. ft. per gallon
WET FILM THICKNESS: 3.0 - 5.0 Mils
DRY FILM THICKNESS: 2.0 - 3.0 Mils
VISCOSITY: 60 - 70 sec. #2 Zahn Cup
Ph: 8.0 - 9.0

APPLICATION:

Recommended Thickness: Surface profiles and porosity should be considered when determining coverage rates. For use under normal interior conditions, apply at 2.0 mils DFT at a theoretical coverage rate of 328 square feet per gallon. For corrosive or exterior exposures, apply at 3.0 mils DFT at a theoretical coverage rate of 219 square feet per gallon. Application may be made by brush, roller, spray, or dip using standard equipment and techniques.

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.

Surface Preparation: Surface preparation should follow the recommendations of the Steel Structures Painting Council.

Thinning: None, or reduced as desired with water.

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.



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APPLICATION (cont.):

Dry Time: Albi 490W is a slow drying primer. Best results require at least 48-72 hours of curing time prior to overcoating.

Clean-up: Clean brushes, rollers and spray equipment promptly with warm, soapy water followed by a clean water rinse.

Storage: Store in tightly closed containers. Keep between 45°-90° F (4-32° C).

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

Write for further test information on Albi 490W 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 no flammable solvents. 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 490W, please refer to our current Material Safety Data Sheet.

Rev: 12/00

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Material Safety Data Sheet

Albi 490W Primer

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: 15X0505
Product Name: Albi 490W Primer
Product Class: Acrylic Water Base

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)		
Butyl Cellosolve CAS #[111-76-2]	4.6		20				0.4

Section III - Physical Data

Boiling Range: 199°F
Vapor Density: Heavier Than Air
Evaporation Rate: Slower Than Butyl Acetate
VOC Content (g/l): 161.3
Weight per Gallon: 10.4 – 11.4 #/gal

Section IV - Fire and Explosion Hazard Data

Flammability Classification:

OSHA: Combustible Liquid - Class IIIA
DOT: Combustible Liquid
Flash Point: N/A

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 rupture from exposure to extreme heat.

Special Firefighting Procedures: Fight as volatile liquid fire. Closed containers may rupture 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? No
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: None

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 a 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: None

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

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