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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.

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**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.

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**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:** 161.3 g/L

**WEIGHT/GALLON:** 10.8 to 10.9 lbs./gallon  
**SOLIDS BY WEIGHT:** 51%-53%  
**SOLIDS BY VOLUME:** 40%-42%  
**COVERAGE:** 328 - 219 sq. ft. per gallon  
**WET FILM THICKNESS:** 3.0 - 5.0 Mils  
**DRY FILM THICKNESS:** 1.23- 2.05 Mils  
**VISCOSITY:** 60 - 70 sec. #2 Zahn Cup  
**pH:** 8.0 - 9.0

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**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.

**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:** None, or reduced as desired with water.

## **APPLICATION (cont.):**

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**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](http://www.albi.com).

## **SAFETY PRECAUTIONS:**

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Albi 490W 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 GHS Safety Data Sheet.