



# Application Instructions

## **FIREFREE® CLASS A**

### **SURFACE PREPARATION**

All surfaces to be coated must be clean, cured, firm, dry and free of dust, dirt, oil, wax, grease, mildew, loose flaking paint, efflorescence or any other contamination or condition that would adversely affect the performance of the coating. Etch or prime (with a latex primer or fast dry oil base primer/sealer) glossy, glazed or dense surfaces. Always prime oil based finish coatings with an oil based fast dry primer/sealer. Fill holes and surface irregularities with a suitable patching compound to match surface profile. Spot prime all patched areas with appropriate primer. Coating wood surfaces; the moisture content must be of 17% or less.

### **APPLICATION CONDITIONS & PROCEDURES**

Do not apply if temperature is below 50°F. Do not thin or strain FFA. Apply at can consistency. Use of airless sprayer is recommended (use of a dedicated spray line is required), but FFA® may be applied by brush or roller. For brush application, a fully loaded brush should be used. A laying on technique will reduce the brush marking. A short nap roller can be used but this may result in a slight textured finish.

Enamel finish coats: Apply one (1) coat of a latex primer or fast dry oil base primer/sealer over FFA® before applying a latex enamel or oil base enamel finish coat.

Wall covering applications: Apply one (1) coat of wall primer over product before applying wall covering. FFA has a flat finish but may be top coated with most paints to achieve the desired texture and finish. For information on approved compatible primers and finish paints, contact manufacturer. Apply additional finish coats only after previously applied coats are thoroughly dry. Precautions: Do not apply any materials that have been frozen or have come into contact with contaminants prior to use.

### **COVERAGE/SPREAD RATE**

ASTM E-84 10 minute flame spread index and smoke index rating: apply at 15 mils wet/10 mils dry.

Coverage: 106 sq. ft. per gallon

ASTM E-84 30 minute extended rating (same as fire treated lumber) apply at 30 mils wet/20 mils dry.

Coverage: 53 sq. ft. per gallon

### **THICKNESS**

During application, the wet film thickness should be checked using a wet film thickness gauge. To use the gauge, insert the teeth into the wet basecoat. The last tooth to be coated indicates the thickness achieved. It is important to ensure that the wet film applied is of sufficient thickness to give the required dry film thickness. During the drying process, FIREFREE® Class A will shrink due to evaporation.

## **DRYING**

Dry time is when the surface is thoroughly dry to the touch. Drying times are dependent upon a number of factors: Temperature - Air movement - Humidity - Thickness of product - Method of application. If unsure, please contact manufacturer.

## **Recommended Application Equipment**

SPRAY-AIRLESS: Capable of a pressure range of 1500 to 3300 psi  
TIP: .017 to .023 heavy duty 4" to 12" fan width recommended (dependant on application)  
Reduction: Do not thin  
ROLLER: Use a 1 1/4" nap synthetic cover  
BRUSH: Use a nylon/polyester brush  
Packaging: 5 gallon bucket, weight per bucket is 60 lbs.  
1 gallon cans

## **MAINTENANCE**

Surfaces which have been coated with FFA should be protected from abuse and abrasion. Damaged surfaces should be repaired and FFA should be reapplied to the original specified dry film thickness to maintain specific rating.

## **CLEAN UP AND SAFETY**

Wash brushes, rollers, spray guns & pumps and other painting tools in COLD clean water promptly after painting. Clean and remove any dried product with the use of Goof Off. Use all products completely or dispose of properly. Local disposal requirements vary; consult your sanitation department or state-designated agency for more information on disposal options.

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Avoid contact with eyes and prolonged or repeated contact with skin. Wear eye protection and or gloves during application or sanding. A dust/particulate respirator approved by NIOSH should be worn when sanding or spraying. Close container after each use. First Aid: If you experience difficulty breathing, leave the area to obtain fresh air. In Case of Spill: Absorb with inert material and dispose of as specified under "CLEANUP".

## **STORAGE & TEMPERATURE**

FFA cannot be exposed to freezing temperatures. It is important to maintain storage temperatures above the freezing point. FFA should be stored at recommended temperatures between 50° to 85°. Expected shelf life is two (2) years from the date of purchase. Product must be kept at recommended storage conditions and in original unopened containers.