

# POLASEAL EFM™

## Fire Retardent Wood Sealer



Performance  
Coatings & Sealants  
Systems

### DESCRIPTION

POLASEAL EFM is a water-based, single component, water repellent treatment specifically designed to protect exterior wood surfaces. It penetrates the wood and then cures by reaction with air to lock itself into the pore structure of the wood. POLASEAL EFM contains a proven fire retardant to reduce flame spread in the event of a fire, and a blend of special preservatives to fight against the causes of decay.

### OUTSTANDING FEATURES

- ✓ Provides protection from water penetration and fire damage
- ✓ Nochar (R), a proven flame retardant, and a blend of water repellents and antioxidants
- ✓ Resists breakdown from UV rays, microbiological activity, pollutants and chemicals
- ✓ Actives will not evaporate, migrate, or wash away after treatment
- ✓ Allows the treated surface to breathe, preventing water entrapment
- ✓ Repels water, contains active fungicides, and retards rot and aging discoloration on wood
- ✓ Low odor, very low toxicity, easy handling and clean-up, environmentally safe
- ✓ Improves the dimensional stability of wood and fiber composites

### APPLICATION

POLASEAL EFM is designed as a single coat treatment; however, a 2nd coat is often beneficial for some types of wood. Surfaces to be treated must be clean and free of loose debris, dirt, mildew, oils and grease. The surface may be damp but not wet. A dry surface is preferable since it will allow maximum penetration of POLASEAL EFM into the substrate. Previously painted, stained or treated surfaces may reduce treatment penetration. It is advisable to do a test area on previously treated wood surfaces to assure adequate performance.

Apply EFM by brush, roller or low pressure spray technique. Brush and roller techniques are more effective in aiding the product penetration of the wood surface. Fully saturate the surface with POLASEAL EFM.

When spraying a vertical area, apply enough material to generate a slight rundown of product. For a horizontal surface, start at one edge and work backward toward the opposite edge, applying enough POLASEAL EFM to saturate the surface. The wood surfaces must be permitted to dry after treatment for proper cure to take place. Full cure develops over a 2 week period.

### LIMITATIONS

Any previously tested, stained or painted surface must have a test application to assure compatibility. A test application is also recommended if exact coverage figures are required. Thoroughly stir or shake EFM before using. Do not apply to a frosted or saturated surface. Do not apply if precipitation is forecast within 8 hours. Do not spray in strong wind conditions. It is strongly advised to protect adjacent

SPECIFICATIONS	
<b>Sealer Type</b>	Water-based siloxane
<b>VOC</b>	Zero
<b>Pot Life</b>	Single component
<b>Shelf Life</b>	18-24 months
<b>Recommended Penetration</b>	Up to 1/2" depth
<b>Coverage</b>	100-200 square feet/gallon
<b>Packaging</b>	1 gallon and 5 gallon pails
<b>Color</b>	Milky (wet); Clear (dry)

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shrubbery from overspray. Overspray will not affect most glass, metal or painted surfaces if removed shortly after application. Remove any overspray from glass, metal or vinyl surfaces immediately after application by wiping with a damp cloth, followed by wiping with glass cleaner. Clean tools immediately after application with water.

### PRECAUTIONS

Keep container tightly closed when not in use. Do not ingest. Avoid contact with skin and eyes. In case of contact with skin or eyes, flush with clear water for 15 minutes. For contact with eyes, get medical attention in addition to flushing. Wear rubber gloves and safety glasses when handling this product.

### MAINTENANCE

If a treated surface becomes dirty, pressure wash with water or soapy water solution. Rinse with clean water spray. Recoat with EFM if the water repellency has lessened.

TECHNICAL DATA	
Density	8.5 lb/gallon
Solids Content	20% (B.W.); 20% (B.V.)
Chemistry	Amino-functional siloxanes
Reactivity	Air oxidation cure
pH	Approximately 7.5
Actives	Approximately 15%

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Effective Date: 02/2009

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