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FIRESAFE™ 100

DESCRIPTION:

Firesafe 100 is an aqueous based resin for interior and exterior applications. It is a waterbased. Environmentally friendly, clear coat wood stain that creates a UL and FM Approved Fire Barrier. In addition to excellent fire properties it also provides resistance to; moisture, mold, fungus, termites and rodents. The material is low viscosity and easy to apply. Can be tinted with water based stains.



Features and Benefits

- A high quality, VOC free, solvent free and non-toxic. Safe around people, pets and plants.
- Prevents fire and preserves wood in new and existing structures.
- **Fire Rating: UL and FM rated, Class A**

Applications

- Residential and Commercial Wood Structures; Studs, Trusses, Subfloor, Joists, Outside Walls, Stables, Barns, Sheds, Garages, Gazebos, Docks to name few.
- Also ideal for application on Christmas Trees.

Colors and Packaging

- Standard Colors is Clear.
- Custom Colors available for an additional charge.
- Packaging: 5 gal. pail, 55 gal. drum and 275 gal. tote.

Clean Up and Shelf Life

- Clean Up; Water
- 12 months (Unopened) *When stored between 40° F and 85° F (5°C – 30°C).



SURFACE PREPARATION

General: Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating and other foreign matter.

APPLICATION

This product may be brushed, rolled or sprayed on a clean, dry surface. For details see Equipment Recommendations at the end of this sheet. If sprayed, material should be at least 75°F. Before applying additional coat, the previous coat must be completely dry and cured. If any contamination is present on the cured surface it must be washed and completely dry before application of subsequent coats.

- **Coverage of 400 square feet per gallon.**
- **For maximum effect 2 coats are recommended.**
- **Requires 24 cure time before applying any other paint product.**
- **Serves as an excellent primer base coat under Latex Paints and Water Based Stains.**
- **Ideal for applying Firesafe 200 or 300 as a topcoat, finish.**

ENVIRONMENTAL CONDITIONS

This product cures by water evaporation only. Product must not be applied when the ambient temperature is below 40°F or if there is any possibility it could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before product dries. In high humidity conditions late afternoon applications should be avoided as overnight dew formation on uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can ensure proper drying before rain or overnight freezes.

SAFE PRACTICES

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. Information sources include but are not limited to MSDS and product labels. More resources are available at polyurethane.org, sprayfoam.org, star-polymers.com or by contacting **Star Polymers** directly.

EQUIPMENT

Minimum requirements:

Brush

- Synthetic filament

Roller

- 1¼" nap roller

Spray

- Small projects can use a simple lawn or backpack sprayer.
- Larger projects can use a small airless sprayer, similar to a Graco Magnum X7.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of **Star Polymers**. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by **Star Polymers** will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. Because of numerous factors affecting results, **Star Polymers makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. **Star Polymers** hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Star Polymers for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.