



Application Instructions

FIREFREE 88®

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. Metal surfaces must be free of rust.

APPLICATION CONDITIONS & PROCEDURES

Do not apply if temperature is below 50°F. All surfaces to which FF88® have been applied should be inspected by a third party special inspection agency, or an ICC certified professional, or a Firefree Coatings QA/QC qualified inspector to verify that FF88® has been properly applied in the required uniform thickness.

Do not thin or strain FF88®. Apply at can consistency. Use of airless sprayer is recommended (use of a dedicated spray line is required), but FF88® 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 FF88® 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.

FF88 ® 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

Application at a rate of 14 mils wet, 10 mils dry has a theoretical spread rate of 114 sq.ft/gal per 1 coat. Confirm wet film thickness with a wet film thickness gauge. Any consideration for quantity and waste or overspray is the sole responsibility of the end user. Waste factor will depend on the method of application (brush, roll or spray), job site conditions and other factors and should be based on the applicators experience.

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 88® will shrink due to evaporation. All surfaces to which FF88® have been applied should be inspected by a third party special inspection agency, or an ICC certified professional, or a Firefree Coatings QA/QC qualified inspector to verify that FF88® has been properly applied in the required uniform thickness.

If an independent testing agency is retained, it should ensure that preparation of substrate is in accordance with manufacturer's recommendations. It should randomly obtain and test samples during application to verify that wet film thickness of the intumescent coating complies with manufacturer's requirements.

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.

If multiple coats of FF88® are required; FF88® must be thoroughly dry to the touch prior to the application of additional coats. **The final dry film thickness required will vary according to specific assemblies, please contact Technical Department for more information.**

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 ¼" nap synthetic cover
BRUSH:	Use a nylon/polyester brush
Packaging:	5 gallon bucket, weight per bucket is 60 lbs.

MAINTENANCE

Surfaces which have been coated with FF88® should be protected from abuse and abrasion. Damaged surfaces should be repaired and FF88® 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

FF88® cannot be exposed to freezing temperatures. It is important to maintain storage temperatures above the freezing point. FF88® should be stored at recommended temperatures between 40° to 85°. Expected shelf life is one (1) year from the date of purchase. Product must be kept at recommended storage conditions and in original unopened containers.

ABOUT THE COMPANY

FIREFREE **Coatings, Inc** is a privately owned company based in California. FF88® has been tested and listed by Factory Mutual; a division of FM Global and tested by accredited third party ICC-ES fire testing laboratories.