

Flamecheck FIF Spar Varnish Application Instruction

General Description:

Flamecheck International Ltd introduces a revolutionary interior/exterior fire retardant varnish developed and manufactured in its factory in Arizona. FIF Spar varnish exhibits the best features of a clear coat spar varnish for a superior clear coat finish, adhesion, penetration, durability and Flame Retardant action giving the highest standards of fire protection complying with ASTM E-84 and giving a "Class A" finish.

Uses:

FIF Spar Varnish can be used as coating on wood, steel, concrete, stage sets, T.V Studios, commercial buildings, exhibition sets or any wood finishing. The finish can be tailored by the end user to give different degrees of hardness or flexibility.

Advantages:

- Fire-Resistant
- Abrasion Resistant
- Crystal Clear Film
- Smooth Uniform Finish
- Excellent Flow and Leveling
- Water Resistant

Mixing Process:

To achieve shorter drying times for FIF Spar Varnish we recommend that our product is mixed with a small amount of Japan Drier. We highly recommend using up to 12% Japan Drier by weight in the overall mix. By adding the Japan Drier the product is able to dry faster to a nice non-tacky finish. Depending upon the local weather conditions the client can adjust the flexibility of the product to suit. Our product can also be used without the addition of Japan Drier but the drying time will be increased.

Surface Preparation:

Repair all surface imperfections. If surface is in good condition, clean to remove all dirt, grease, oil, wax, or any other contaminants. Make sure the surface is dry and clean.

Application Methods:

Flamecheck International Ltd 1684 S. Research Loop, Ste 502 Tucson AZ 85710

Telephone: 520-204-1053 Fax: 520-225-0270

FIF Spar Varnish can be sprayed, rolled, brushed or dipped on desired surfaces. With rolling, a Dynel or long nap roller is best for rough sawn or textured wood. When varnishing smoother surfaces, spraying or nylon brush is a good option. For best results, use airless spray equipment.

Coating:

If spraying, a light coating is normally what is required for most materials. On more difficult materials either use two coatings or spray on both sides may be required, or the material may be dipped if desired. For added protection, coat more than once and allow 24 hours between coats. Normal time to be able to handle newly coated goods is 48 hours for light handling of material. Coverage is approximately 500²ft. A 4mm coating wet or a 2.5mm dry film will normally return a "Class A" rating.

Drying Time:

This product requires approximately 8 hours to dry at 75°F. Humidity and low temperatures will extend drying time. Do not apply if the temperature is below 45° F or 5 allow 5 hours of dry time if the material has been exposed to rain or heavy dew. Allow 24 hours before reapplying a second coat, and 72 hours before heavy use.

Results Once Dry:

This product gives a durable finish which is not removed by water washing. It imparts a smooth clear coat finish that can allow wood to expand and contract without damaging the finish. The finish will last for the life of the substrate.

Testing a Treated Sample Piece:

To ensure the FR finish is still active test with a Black Light and check for a florescent reflection that shows that the FR finish is still active.

We suggest that an ignition source similar to a plumbers' torch should be used to ensure an effective Flame Retardant coating has been applied.

Hold ignition source for one minute on test sample. Upon removal, the coating should be self extinguishing and the substrate should not be able to sustain any flaming.

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to its use. No warranties of any kind neither express nor implied, including warranties of merchantability or fitness for a particular purpose are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, information, data and designs furnished by Flamecheck International Ltd. hereunder are given gratis and Flamecheck International Ltd. assumes no obligation or liability for the description, information, data and designs given or results obtained, all such being given and accepted at your risk. We believe this information to be reliable and up to date as of its publication date, but make no warranty that it is. If this MSDS is more than three years old you should contact the supplier to make sure the information is still current.