

## SPF 3000 CLEAR SPRAY FIRE RETARDANT

**Sun Fire Defense's SPF 3000 Clear Spray** is an innovative industrial grade, pre- or post-treatment fire-retarding and insulating coating that can be spray, dip or brush applied to nearly any porous building/construction material (wood, fabric, insulation, stucco, fiberglass, etc.) generally resulting in a Class A rating on treated (non-flammable) materials. The coating has an effective product lifetime of 5-10 years for outdoor applications and 15+ years indoors. The coating dries clear, leaves little to no residue and is non-toxic and safe around children and pets once applied. It contains compounds that insulate and that expand at a molecular level under extreme heat, preventing oxygen from reaching the substrate preventing dangerous flames from igniting and spreading. It has been rated Class "A" for ASTM E84 Standard for Construction Materials with a Flame Spread Index of 15 for unsealed wood and has passed NFPA 701 Standard for Films and Fabrics.

### Product Information

<b>Classification*</b>	Class A Fire Retardant
<b>Retarding Power</b>	After treatment of retardant on most absorbent surfaces, there is little to no flame spread
<b>Flame Rating*</b>	30 Minutes (During ASTM testing, test specimens (wood treated with SPF 3000) met the conditions of classification per ASTM E2768-11. The test specimen's flame spread index was less than 25 and showed no evidence of significant progressive combustion during the 30-minute test period.)
<b>Flame Spread Index* ASTM E2768-11**</b>	15 (on a scale from 0 to 200) **Ratings 25 and under are 'Class A' and are considered the most fire-resistant building materials. The Flame Spread Index goes from 0 to 200+ with lower scores have less combustion risk. For example: reinforced concrete is rated a 0, and oak plywood is rated approximately 150.
<b>Smoke Development Index ASTM E2768-11</b>	85 (on a scale from 0 to 450)
<b>NFPA 701 Standard for Films and Fabrics</b>	Approved
<b>Exterior Longevity</b>	Effective for 5+ years after single application
<b>Interior Longevity</b>	15+ years
<b>Application</b>	Spray on absorbent surfaces of all types (wood, paper, cotton, furnishing, all non-polymer surfaces). Pre- and post-treatment solution that can be applied under or over most paints and stains. May also be dip, roll or brush applied.
<b>Interactions</b>	Can be used in conjunction with water-based/latex paints and stains. Concentrated forms of SPF 3000 can be mixed with some bases at a ratio of 3 parts base, 1 part SPF 3000. We recommend application beneath paints and on top of stains. Using with oil-based paints or stains is not recommended. When applying the product over dark colored paints or stains, spot test to ensure color stays true. In the event of a thin film of residue, power wash or wipe off with a damp rag.
<b>Dry Time</b>	<30 minutes (dry to touch); 24-48 hours to fully cure
<b>Coverage</b>	200-350 square feet per gallon depending on porosity of the surface being treated.
<b>Exposure &amp; Toxicity</b>	No components are believed to be hazardous or listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CARLA, or RCRA. No OSHA PEL's are established for any of the other ingredients.
<b>Other Inhibitors</b>	Contains mold/mildew inhibitors, effective against black mold. Good rot resistance. Good termite and pest resistance.

\*Rating testing performed on unsealed Douglas Fire 2x4 lumber. Tested by NGC Testing Services, a NVLAP Accredited, IAS Accredited and California State Fire Marshal Approved laboratory.

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