



FIRE RETARDANT WOOD SEAL™

PRODUCT DATA SHEET

Wood Seal™ is an application ready, water based fire retardant designed for treatment of raw wood. Wood Seal™ is mix of proprietary ingredients, which forms a slight intumescent foam layer and carbon char when the treated wood is exposed to fire. Once the carbon char is formed there will be minimal flame propagation, smoke evolution or afterglow. The product is designed for interior and exterior applications.

TYPICAL ANALYSIS

Total Solids **25 - 28%**

Weight per Gallon **9.2 - 9.5 lbs**

Specific Gravity **1.11 - 1.15**

ph **2.0 - 3.0**

Product contains no PBDE's [Polybrominated Diphenyl Ethers] or petroleum derivatives.

APPLICATION

Wood Seal™ can be applied via spray, brush, dipping or roll/curtain coater. The product must penetrate the wood and be allowed to thoroughly dry to be effective. The coverage rate is 150 to 350 sq./ft. per gallon. Wood properly treated with this product will meet Class B requirements.

Excess product should be removed before drying.

It is recommended that a small sample of the wood be tested for uptake and penetration prior to application. For use with a dip chamber or any machine application the excess material should be removed before drying.

Then simply allow to air dry or force dry by mechanical methods.

This product may be used on most types of wood as long as penetration occurs. The product can be stained and top coated after treatment. However, many stains and top coats are flammable and can adversely affect the flammability of the treated substrate.

PACKAGING & HANDLING

Wood Seal™ is a liquid available in various packaging sizes from 1 gallon to bulk containers.

Refer to SDS for proper handling.

STORAGE CONDITIONS

- Temperature Range: 40 - 90 °F
- **One year shelf life from manufacture date.**

WARRANTIES

Products are guaranteed to perform their fire retardant function as represented by third party tests, if applied according to manufacturer's published instructions. Products may not be diluted or altered prior to use.

*There are no other warranties either expressed or implied since Flame Seal Products cannot control the actual application of the products. Users must determine usability and suitability for their particular requirements, as well as compatibility with the exact materials to be treated or coated.

FLAME SEAL PRODUCTS, INC.

9420 Knight Road
Houston, TX, 77045 USA

713-668-4291 (office)
713-668-1724 (fax)

www.flameseal.com