



## FIRE RETARDANT SHINGLE SEAL™

### PRODUCT DATA SHEET

**Shingle Seal™** is an application ready, water based fire retardant designed for treatment of wood roofing and/or siding shingles. Shingle Seal™ is mix of proprietary ingredients, which forms a slight intumescent foam layer and carbon char when the treated shingle or shake 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 exterior use. Under simulated test conditions of 200 inches of rain Shingle Seal™ passed ASTM E-108 test series on Cedar Roof Shingles.

#### TYPICAL ANALYSIS

Total Solids **36.5 - 38.5%**

Weight per Gallon **9.5 - 9.8 lbs**

Specific Gravity **1.10 - 1.20**

ph **2.0 - 3.0**

Coverage **120- 200 sq/ft/gal**

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

#### APPLICATION

Shingle Seal™ can be applied via spray, brush on roofing or siding. The product must penetrate the wood and be allowed to thoroughly dry to be effective. The coverage rate is 120 to 200 sq./ft. per gallon. Cedar shingles or shakes that are properly treated with this product will meet Class C requirements.

Excess product should be removed before drying.

It is recommended that a small sample of the Shingle be tested for uptake and penetration prior to application. Allow for simple air-drying after application.

This product may be used on most types of roofing or siding wood as long as penetration occurs. Re-treatment is necessary after 5 years or 200 inches of rain.

#### PACKAGING & HANDLING

Shingle 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.**

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