



FIRE RETARDANT

# PAPER SEAL C™ CONCENTRATE

## PRODUCT DATA SHEET

**Paper Seal C™ Concentrate (PS-C)** is the concentrated version of Paper Seal™, for shipping savings and industrial applications. Paper Seal™ is a water based fire retardant designed for treatment of corrugated paper, wall board, press board material and most types of paper. Paper Seal™ is a water borne mix of proprietary ingredients, which forms a carbon char when the treated paper is exposed to fire. Once the carbon char is formed there will be minimal flame propagation, smoke evolution or afterglow.

### APPLICATION

Paper Seal C™ should be diluted 1: 1 with water - yielding Paper Seal™ - before normal use. The recommended coverage rate is 300 - 400 ft² per gallon after dilution, for common applications. Most paper materials, properly treated with this product, will meet the NFPA 701 requirements.

Paper Seal™ must penetrate paper fibers and be allowed to thoroughly dry to be effective. Sealed or coated paper is not treatable by Paper Seal™.

It is recommended that a small sample be tested for penetration and color fastness before full-scale application.

Wet the paper thoroughly, then allow to air dry or force dry with moving air and/or heat.

Paper Seal C™ may be utilized in the paper making process by adding the product in the slurry, typically when the moisture content is below 40%.

This product may be used on card board products, wall board, pressed board and most types of paper.

### DILUTION PROCEDURES

Dilute Paper Seal C™ with water 1:1 by volume and mix thoroughly before use (e.g. 1 gallon Paper Seal C™ + 1 gallon of water = 2 gallons of Paper Seal™).

### TYPICAL ANALYSIS

Total Solids **31 - 34%**

Weight per Gallon **9.9 - 10.2 lbs**

Specific Gravity **1.19 - 1.23**

ph **5.5 - 6.5**

Product contains no PBDE's (Polybrominated Diphenyl Ethers) or petroleum derivatives.

### PACKAGING & HANDLING

Paper Seal C™ 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
- **Two 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.

\*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.

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