

# TECHNICAL BULLETIN NO. 006

## NOCHAR'S S320 SEALER

Nochar's S320 is a liquid sealer used as a coating to fire retard and provide reduction in thermal heat transfer on both natural and synthetic surfaces.

Nochar's S320 has the unique feature of being able to flex with the surface to which it is applied and yet maintain the fire retardant protection. This protection can also reduce the emission of toxic gases and radiant heat release when the product is under heat attack.

### PRODUCT APPLICATION

The fire retardant protection can only be achieved if applied over a properly prepared surface. Do not apply at temperatures below 50 degrees Fahrenheit or under conditions where the temperatures will fall below 50 degrees within 24 hours.

S320 is not to be thinned except if tinting is required. Tinting can be accomplished using Universal colorants and only up to 4% by weight. Due to the white base of the product, only mid-range colors can be achieved.

### TECHNICAL DATA

Weight by volume	:	12.3 pounds/gallon	PH	:	9.5
Specific Gravity	:	> 1.3	Storage	:	Protect from freezing

S320 has been tested to the ASTM Designation E84-91a, "Standard Method of Test for Surface Burring Characteristics of Building Materials". This test method is identical to that specified in NFPA No. 255, UBC 42-1 or UL No. 723. The test results are as follows:

The test specimens were prepared by the testing laboratory. The coating (S320) was brushed onto organic reinforced cement board. Two coats at a rate not to exceed 150 square feet per gallon were applied.

FLAME SPREAD INDEX	=0
SMOKE DEVELOPED INDEX	=5
Time to Ignition (min./sec.)	n/a*
Time to Maximum Flame Spread	n/a**
Maximum Flame Spread	n/a**

- \* No time to ignition was exhibited
- \*\* No flame spread was observed

## OBSERVATIONS

The specimen did not exhibit steady ignition. There was no flame spread observed. After the ignition flame was extinguished, the specimen did not continue to flame.

## INSTALLATION

Always stir before applying.

Type of application: S320 can be applied by brush, roller or airless sprayer. If using an airless sprayer, use a minimum flow rate of one (1) gallon per minute at 3,000 PSI at the pump head. The maximum hose length is 100 feet for 1/4" hose. Spray tip should be fan type between .025 to .031.

Spread rate for one coat is up to 200 square feet per gallon; it is recommended that two coats be applied at 150 square feet per gallon for maximum fire retardancy. When applying two coats, allow 24 hours dry time between coats.

Thickness: AT 150 square feet per gallon, dry mil thickness of approximately 6 mil each or 10 to 12 mil total is required.

## WARRANTIES AND LIMITATIONS OF LIABILITY

Nochar hereby warrants that, when used and applied in strict conformity with Nochar's instructions, this product is merchantable and fit for the particular use as a fire retarded sealant coating, or Nochar shall replace defective product for a period of one (1) year following sale of the product by Nochar. Nochar MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. NO OTHER REMEDY (INCLUDING, WITHOUT LIMITATION, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSONS OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO ANYONE WITH RESPECT TO THIS PRODUCT.