

WOOD SHINGLE TEST REPORT

Small Scale

This test was conducted to determine the performance of the FS II's Fire Coating ability to self-extinguish during flame exposure testing conducted from 15 to 120 second intervals.

Procedure

Cedar wood samples approximately one foot square were divided in half. One section was treated with one coat of FS II at a coverage rate of 150 sq/ft per gallon. The other half was left uncoated to be used as a control sample. Panels were then allowed to cure for 72 hours before being exposed to exterior conditions. Periodic flame test were conducted through a five year period to determine and record times of self-extinguishment during, flame exposures.

The panels were placed at a 45 degree angle for an incline fire test. A hand torch, such as a Burnsomatic Brand, having a flame temperature of 1200 degrees Fahrenheit was placed two inches from the panel surfaces and the time of flame exposure was measured. The flame was tested at 15, 30, 60, 90 and 120 second intervals and the time and seconds for the panel's surface to self-extinguish was recorded. The samples were also checked with a moisture meter prior to fire testing to determine a maximum moisture content of the 15% requirement.

Testing Results

FLAME EXPOSURE (Seconds)	NO. 10 TREATED CEDAR WOOD TIMES TO SELF-EXTINGUISH (Seconds)	CONTROL UNCOATED SHINGLES
15	0	Continuous Burning
30	1	"
60	4	"
90	8	"
120	14	"

Recommendation

Based on the listed testing results periodic testing could also be conducted in the field by the compliance laboratory, manufacturer or the applicator to determine the suitability of the treated fire retardant wood application. Manufacturer's requirements to the applicator must insure the following conditions are met:

1. Wood must be thoroughly cleaned and checked in multiple areas before application of the FS II to determine a maximum moisture content of 15%.
2. The applicator must keep records of all projects including the name of the client or project information estimated square footage of wood treated and the applied gallon age used.
3. If a maintenance program is in place the applicator can identify and mark areas of the treated wood in an inconspicuous place, usually on the lower edge of the wood panels for identification during inspections. Inspections should be made on an annual basis and all results recorded.

Should anyone have questions please call our corporate office at 1-604-576-2212 .

Please read Warranty statement: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use and user assumes all risk and liability whatsoever in connection therewith.