

# FSR 2000

## Fire Retardant Cedar Shakes & Shingles



**Permanent fire protection is provided by pressure impregnating fire retardant polymers into the innermost cells of cedar shakes and shingles for class C and B shake and shingle roofs and class A shake roof systems.**

*The following statements relate specifically to Certi-Guard® products*

"Wood shingles and shakes have long been favored as roofing materials because they are attractive, durable and provide good insulation from heat and cold... the commercially treated shingles self extinguish (even) after 10 years of weathering."

**Techline**

*U.S. Department of Agriculture*

"In my eight years as California State Fire Marshal and 15 years in fire suppression, I am unaware of any pressure-impregnated fire retardant cedar roof that has contributed to the spread of any fire in California or the United States"

**Phil Favro**

*Former California State Fire Marshal*

"Even after many decades of wear and tear, pressure-impregnated cedar shakes and shingles will remain fire retardant"

**Susan Levan**

*U.S. Department of Agriculture*



**IDENTIFICATION:**

FSR 2000 shakes and shingles are treated with a superior fire-retardant, which is impregnated into the inner cells of the wood, resulting in a permanently fire resistant product.

- Class C shakes and shingles are identified by their blue label.
- Class B shakes and shingles are identified by their red label.
- Class C and B labels must identify the treating company, the independent testing laboratory and the building code research number.

**MATERIAL:**

FSR 2000 is manufactured from #1 grade Certi-Split cedar shakes, #1 grade Certi-Grade cedar shingles or #1 grade Certi-Sawn cedar shakes.

**APPLICATION:**

**Class C Rated Roof:** Class C rated shakes or shingles shall be placed over spaced or solid sheathing same as untreated products.

**Class B Rated Roof:** Class B rated shakes or shingles shall be placed over a minimum 1/2" solid sheathing or placed over spaced sheathing same as untreated products.

**Class A Rated Roof:** Utilize a minimum of 1/2" plywood on spaced or solid sheathing, beginning at the eave. A 36" wide (65 lb. minimum) Class "A" cap sheet is rolled out and nailed to prevent movement. Next, an additional cap sheet (65 lb. minimum) is applied to achieve double thickness at eave. The remainder of the deck is exposed 26" to the weather. Once the underlay is applied, interlace as described in class "B" application above. This results in a class "A" system.

**TEST STANDARDS:**

UL 790, ULC-S-107-M, ASTM-E-108, UBC 15-2 and NFPA 256.



**FSR  
2000**

*– you deserve  
the best.*



Our products all come with an I.C.B.O. number (if required) which covers both spaced sheathing and solid decking applications.

Intermittent-Flame Test:				
Class	Flame Temperature	Flame On Minutes	Flame Off Minutes	Number Of Test Cycles
A	1400 ± 50° F	2	2	15
B	1400 ± 50° F	2	2	8
C	1300 ± 50° F	1	2	3

Burning Brand Test:			
Class	Brand Size	Brand Wood	No. of Brands
A	12" x 12", 2.25" thick	Douglas Fir	1
B	6" x 6", 2.25" thick	Douglas Fir	2
C	1.5" x 1.5", .78125" thick	White Pine	20

Rain Test: *	
Class	Exposure
A,B,C	Twelve one week conditioning cycles of 36 hours of water exposure at a rate of 0.7" of water per hour, followed by 72 hours of drying time at 140° f. This equates to 25 to 30 years of actual outdoor rain and snow.

Spread-Of-Flame Test:		
Class	Flame Temperature	Flame Application
A	1400 ± 50° F	10 Minutes
B	1400 ± 50° F	10 Minutes
C	1300 ± 50° F	4 Minutes

Flying Brand Test:		
Class	Flame Temperature	Flame Application
A	1400 ± 50° F	10 Minutes
B	1400 ± 50° F	10 Minutes
C	1300 ± 50° F	4 Minutes

Weathering Test: *	
Class	Exposure
A,B,C	All products have passed I.C.B.O. accelerated 10 year weathering tests. All products are in an ongoing natural 10 year weathering program.

\* After the rain test and each weathering test period, the shakes and shingles are again subjected to the intermittent Flame, Burning Brand and Flying Brand tests.

This is only a product description sheet necessary for selection of materials and grades. For a new roof construction manual and/or wall manual please contact the following distributors:



9486 - 288th Street,  
Maple Ridge,  
British Columbia V2W 1L1

P.O. Box 457,  
Sumas,  
Washington 98295



Telephone: (604) 462-0045  
Facsimile: (604) 462-0258  
Toll Free: 1-800-806-WOOD