



# FIBRELEX

## 1" COATED HIGH STRENGTH ROOF INSULATION

### DESCRIPTION & USE

- Composed of interlocking fibres impregnated with a water-repellent petroleum paraffin emulsion that imparts a high moisture resistance to the product
- Excellent substrate for the roofing membrane
- Ideal surface for the application of hot asphalt

Fibrelex Coated High Strength Roof Insulations can be used as follows:

- As a roof insulator
- As a cap sheet over other insulations
- As a separation board between old and new roofs
- As an underlay on steel decks applications



### 1" FIBRELEX - SIZE & PACKAGING

Item Number	Dimensions	Panels per bundle	Coverage per bundle
HSFB1X2X4OSC	610 mm x 1219 mm (24" x 48")	6	4.5 m <sup>2</sup> (48 ft <sup>2</sup> )

**Note:** Panels are available with shiplap edges.

**Note:** Fibrelex Coated High Strength Roof Insulations must be stored above the deck or ground level and adequately protected from the elements with tarpaulins.

### APPLICABLE STANDARDS

- CAN/ULC-S706-02 TYPE II, Grade 2

### FEATURES & BENEFITS

- **Very High Compressive Strength** - increases the rigidity and strength of the roof system
- **Good Insulating Properties**
- **Uniform Density**

### TECHNICAL DATA

#### 1" FIBRELEX - PHYSICAL PROPERTIES

<b>Nominal Thickness C-209:</b>	25.40 mm (1")
<b>Density D-1037:</b>	246.68 kg/m <sup>3</sup> (15.40 lb/ft <sup>3</sup> )
<b>Thermal Resistance C-518:</b>	RSI 0.52 (R-2.98)
<b>Linear Expansion D1037:</b>	0.30%
<b>Water Absorption - 2hrs. max C-209:</b>	3.70% volume
<b>Compression Strength @ 10% deformation C-165:</b>	168.97 Kpa (24.5 lb/in <sup>2</sup> )
<b>Transverse Load at Rupture C-209:</b>	215.34 N (48.50 lb)
<b>Tensile Strength (machine direction) C-209:</b>	2061.00 Kpa (294.00 lb/in <sup>2</sup> )
<b>Tensile Strength (cross direction) C-209:</b>	54.47 Kpa (7.90 lb/in <sup>2</sup> )

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