



RoofRite Technical Data

International Bildrite roof insulation products are made from premium quality hard northern woodfibers and incorporate up to 15% recycled fiber. Our durable, high quality and moisture resistant roof insulation is manufactured for use in applications where high strength and rigidity are needed. Both RoofRite High Density and Bildrite Roof board, Regular Density are asphalt impregnated for added structural integrity and are available coated and uncoated.

ADVANTAGES

- Dimensional Stability
- High Density
- Reliable Service

PROPERTIES

- Compressive Strength 1/2" - 42psi
- Water Absorption 3.5% by Vol.
- R-Value 1/2" 1.32

CERTIFICATION & COMPLIANCES

- ASTM C208, C209
- CAN/CSA A247-M86
- UL Listed
- 790 Class A



Subject to the conditions of approval as a roofing installation installed as described in the current edition of the FMRC approval guide.



MINERAL AND FIBER BOARDS FOR ROOFING SYSTEMS
CLASSIFIED BY

UNDERWRITERS LABORATORIES, INC.

**AS TO EXTERNAL FIRE EXPOSURE ONLY
ILO8, R14206**

Underwriters Laboratories, Inc. File #14206 TGFU Roofing Systems. Factory Mutual system approved roof insulation for I-60 and I-90 wind uplift. FMRC Job Identification (J.I.) Number 3Z6A9.AM Roof Rite 1/2" Grade 2 Third Party Certified, meets or Exceeds ASTM C208, C209.

Important: Consult the roofing membrane manufacturer and the current Factory Mutual Approval guide for system application instruction.

PHYSICAL PROPERTIES			
1/2" Roof Rite - High Density Grade 2			
Property	Average Result	ASTM C208 (Grade 2, 1/2" Roofboard)	CAN/CSA-A247 -M86 Criteria (Type 1, 12.5 mm)
<i>Transverse Strength</i>			
-Lbf.	14.6	12 (min)	6.7 (min)
-N	64.9	53.4 (min)	30 (min)
<i>Modulus of Rupture</i>			
-psi	361	275 (min)	N/A

-kPa	2489	1896 (min)	N/A
<i>Tensile Strength Parallel to Surface</i>			
-psi	200	150 (min)	50.8 (min)
<i>Tensile Strength Perpendicular to Surface</i>			
-psf	1728	600 (min)	500 (min)
-kPa	68.9	28.7 (min)	23.9 (min)
<i>Compressive Strength at 10% Deflection</i>			
-psi	42.0	N/A	N/A
-kPa	289	N/A	N/A
<i>Water Absorption % by Volume</i>			
	3.7	7 (max)	10 (max)
<i>Linear Expansion, 50-90% RH, Max. %</i>			
	0.18	0.50 (max)	0.50 (max)
<i>Thermal Conductivity (k) Max Btu•in/h•ft²•°F (W/m•k) at mean temp. of 75±5°F (24± 3°C)</i>			
	0.051 (0.36)	0.055	0.055 (max)

General Warranty:

Any deviation from our current installation instructions voids all warranties, both express and implied, including IMPLIED WARRANTIES OF MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE. In addition, International Bildrite, Inc. will not be liable for any lost profits or other consequential, exemplary, incidental, indirect or special damages sustained on any loss caused by application of woodfiber roof insulation in deviation or departure in any way from our current written application instructions.