

# **Huebert Fiberboard, Inc.**

### WOOD FIBER ROOF INSULATION & ARCHERY TARGETS



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## **ROOF INSULATION BOARD**

THERMAL RESISTANCE FACTOR R FACTOR**							
1/2"	1.38						
3/4"	2.08						
1"	2.78						
1½"	4.17						
2"	5.26						

INSULATION VALUE C FACTOR*							
1/2"	.72						
3/4"	.48						
1"	.36						
1½"	.24						
2"	.18						

\* Use Huebert Fiberboard roof insulation for flat roofs on homes, commercial buildings, warehouses.



Manufactured in 2' x 4', 4' x 4', and 4' x 8' sheet sizes with thicknesses of ½", ¾" and 1" homogeneous and laminates of 1½" and 2". All edges are butt.

- \*\*\* Check with FM or UL on exact approvals and specifications, and listings applying to this product since the roofing industry is in a constant state of change.
- \*\* The reciprocal of conductance (C), film conductance (F), or air space conductance (A). R is a measure of the ability to retard heat flow rather than ability to transmit heat.
- \* C Factor is the number of BTU that will flow through one sq. ft. of the given thickness of material with one degree Fahrenheit difference from one side of the material to the other.

**Huebert Fiberboard** wood fiber insulation board can be used in conjunction with various single ply membrane systems. The individual manufacturer of each system must approve of the intended use of our product as a substrate. There are many different single ply systems, and each system has its own specific requirements and needs.

**Huebert Fiberboard** wood fiber insulation can **not** be exposed to an open flame (torched on system). Huebert Fiberboard roof insulation makes a good substrate insulation in Re-roof situations, providing the existing roofing or insulation is clear of debris, fairly level, and moisture free. Huebert Fiberboard roof insulation must be dry when it is used on a roof.

## COATED HIGH DENSITY ROOF INSULATION

Huebert Fiberboard roof insulation provides trouble free performance and permanent, efficient insulation for flat roof construction with built-up roofing or single ply membranes.

	"C"	"R"
1/2"	0.72	1.38
3/4"	0.48	2.08
1"	0.36	2.78

Huebert Fiberboard Coated "High Density" Roof Insulation has a carbon based top coating to slow down absorption. Huebert Fiberboard coated roof insulation is manufactured in 2' x 4', 4' x 4' and 4' x 8' size with thicknesses of  $\frac{1}{2}$ ",  $\frac{3}{4}$ " and 1" solid homogeneous. All edges are butt.

#### **Material Properties**

- Transverse Load (min.) ½" 12#, ¾" 18#,
   1" 24#
- Tensile Strength Parallel to Surface 150 PSI (min.)
- Tensile Strength Perpendicular to Surface-600lbf/ft2 (min)
- Water Absorption 7% Max.
- Linear Expansion .5% Max.
- Meets ASTM C208-95 Grade 2
- Cannot be directly exposed to open flame (torching)

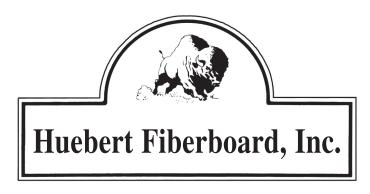
#### APPROVALS LISTED BY:

Carlisle Versico • GAF • Genflex • Mule Hide • Factory Mutual • UL Listed Check with system manufacturers for approvals in specific systems.

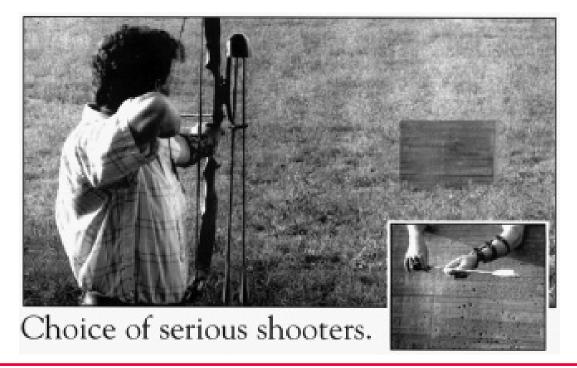
## U-VALUES FOR VARIOUS DECK CONSTRUCTIONS AND THICKNESS OF HUEBERT FIBERBOARD ROOF INSULATION

	ROOF DECK CONSTRUCTIONS OF SEVERAL THICKNESSES, WITH R-VALUE FOR EACH																
THICKNESS	CONCRETE WOOD DECK DECK			INSULROCK DECK			POURED GYPSUM		POURED GYPSUM			ST	EEL ECK	STE	STEEL DECK		
OF HUEBERT FIBERBOARD ROOF INSULATION	No Ceiling		No Ceiling No Ceiling		No Additional Ceiling			on ½" gypsum foamboard No Ceiling		formboard			No Ceiling		Suspended ½" fiberbd. Tile on ¾" furring strips		
II (OCEITIO)			OVERALL R-VALUE, EXCLUDING DECK AND							ND INS	ULA	TION	1				
	Heat Flow Up Down .17 OS Air .25 .33 BUR .33 .61 IS Air .92		Up		Down Up Down Air .25 .17 OS Air .25 .33 .33 BUR .33		Ur .17 .33 .45	Heat Flow Up Down 17 OS Air .25 33 BUR .33 45 ½"gyp45 61 IS Air .92		Up Down U .17 OS Air .25 .17 .33 BUR .33 .33		.17 .33			Heat Flow Up Down .17 OS Air .25 .33 BUR .33 .85 Asp85 1.39 ½" Tile 1.39 .61 IS Air .92		
	1.11	1.50	1.11	1.50	1.11	1.50	1.5	6	1.95	3.89	4.28	1.1	1	1.50	3.35	3.74	
	<u>1 ¾" F</u>	<u>R13</u>	1"	R98	2" R-3	R-3.84 2" R-1.20			0	2" R-1	.20	Aı	ny Size R-0		Any Siz	e R-0	
NONE 1/2" 1" 1 1/2" 2" 2 1/2" 3"	.80 (U) .38 .25 .18 .15 .13	.61 .33 .23 .17 .15 .12	.48 .29 .21 .16 .14 .11	(U) .40 .22 .19 .15 .13 .11	.20 (U .16 .13 .11 .09 .09	1) 1.19 .15 .12 .11 .09 .09	.36 .24 .18 .14 .12 .11		.32 .22 .17 .17 .12 .10	.20 (U .15 .13 .11 .10 .09	.15 .15 .12 .10 .09 .08	.90 .40 .26 .19 .16 .13		.67 .35 .23 .18 .15 .12	.30 (U) .21 .16 .13 .12 .10	.27 .19 .15 .13 .11 .10	
	<u>2" R</u>	<u>16</u>	<u>2" R</u>	-2.03	<u>3" R</u>	3" R-5.76 3" R-1.80											
NONE 1/2" 1" 1 1/2" 2" 2 1/2" 3"	.78 (U .37 .25 .18 .15 .13	) .60 .33 .23 .17 .15 .12	.32 (U .22 .17 .14 .12 .10 .09	U) .28 .20 .16 .13 .11 .10	.15 (U .12 .10 .09 .08 .07	J) .14 .12 .10 .09 .08 .07 .06	.30 .21 .16 .13 .12 .10		.27 .19 .15 .13 .11 .10	1/	F	1		=			
	<u>3" R</u>	2-24	3" R	-3.23						-	/						
NONE 1/2" 1" 1 1/2" 2"	.73 (U) .36 .24 .18	.32 .22 .17 .14	.17 .14 .12 .10	.16 .13 .11 .10										iberbo Span	oard Strengtl	ne e	
2 ½"	.12 .10	.12 .10	.09 .08	.09 .08	M												
NONE ½" 1" 1½" 2" 2 ½" 3"	.70 (U) .35 .24 .18 .15 .12 .10	32						6	•		Width Up to 3 34" to 1 1 ½" to 2 2 5/8" to 3 3 ½" to 4	1 4" 1/2" 5/8" 3 1/2"	nnel	2" (a <sub>j</sub>	nimum Bo  Thickness  1/2" 3/4" 1" 1 1/2"  pplied in to staggered.	wo 1"	

greater accepted by Factory Mutual.



## **BUFFALO ARCHERY TARGETS**



Now you can own the superb wood fiber target that leaves arrow shafts residue-free. Huebert Fiberboard Archery Targets, in use at shooting clubs and ranges, is made of all natural wood fibers with no glues, plastics, or bonding agents that leave residue on arrows.

This extremely durable target provides a safe, reliable backstop. Serious shooters find it superior to compressed cardboard, excelsior or foam. It is an excellent choice for both range and individual use.

In stock targets are available in three sizes:

2' x 2' x 12"

3' x 4' x 12"

4' x 4' x 12"

Special sized targets can be made as requested.

Also available are archery strips 4' x 12" x 1" and three sizes of board for the "Do It Yourself" archer.

Huebert Fiberboard products are made from recycled materials.