



APPLICATION CHARTS

Weathershield™ Loose-fill CFI

REVISED – Issued NOVEMBER 2008

WS11*

11.5 kg (25.4 lb.) Package – Available Attic Installation Volume = 16.35 ft³ (0.463 m³) per Bag

COVERAGE CHART FOR HORIZONTAL PNEUMATIC (BLOWN ATTIC) APPLICATION

IMPERIAL SYSTEM					METRIC SYSTEM				
Thermal Resistance <i>R-VALUE</i>	Minimum Thickness		Minimum Weight per unit area (lbs./ft ²)	COVERAGE PER 25.35 lb BAG (square feet)	Thermal Resistance <i>RSI-Value</i>	Minimum Thickness		Minimum Weight per unit area (kg/m ²)	COVERAGE PER 11.5 kg BAG (sq. metres)
	APPLIED (inches)	SETTLED (inches)				APPLIED (mm)	SETTLED (mm)		
<i>R- 12</i>	3.6	3.25	0.42	60.4	<i>RSI- 2.1</i>	92	82	2.04	5.65
<i>R- 20</i>	6.1	5.42	0.70	36.2	<i>RSI- 3.5</i>	153	137	3.40	3.38
<i>R- 28</i>	8.5	7.59	0.98	25.9	<i>RSI- 4.9</i>	215	192	4.77	2.41
<i>R- 30</i>	9.1	8.13	1.05	24.1	<i>RSI- 5.3</i>	232	207	5.14	2.24
<i>R- 32</i>	9.7	8.67	1.12	22.6	<i>RSI- 5.6</i>	245	219	5.44	2.11
<i>R- 34</i>	10.3	9.21	1.19	21.3	<i>RSI- 6.0</i>	263	235	5.84	1.97
<i>R- 40</i>	12.1	10.84	1.40	18.1	<i>RSI- 7.0</i>	306	274	6.80	1.69
<i>R- 44*</i>	13.3	11.86	1.58	16.0	<i>RSI- 7.7*</i>	337	301	7.71	1.49
<i>R- 50*</i>	15.0	13.41	1.84	13.8	<i>RSI- 8.8*</i>	385	344	9.09	1.27
<i>R- 60*</i>	17.9	16.00	2.27	11.2	<i>RSI-10.6*</i>	464	414	11.27	1.02

DESIGN COVERAGE DENSITY – 1.55 lb/ft³ (24.83 kg/m³) for R-40 (RSI 7) and less.

The above coverage values compensate for potential settling and are for estimating purposes only.

*Actual coverage will be influenced by specific job conditions and installation technique. (* adjusted coverage for higher thicknesses)*

MINIMUM THICKNESS NOTE: The "Settled Thickness" values shown above are those with which the desired thermal resistance (R/RSI) values are achieved when Weathershield™ is installed at its proper design coverage density. Because this insulation product is pneumatically dispersed at the time of application, the "Applied Thickness" values above consider potential settling and have been included as a GUIDELINE only to assist the installer in achieving the proper final thickness. The actual degree of settlement (which is most often less than the 12% indicated above) will be influenced by specific job conditions (including factors like adequacy of ventilation and degree of installation difficulty) as well as application technique.

It is the minimum settled thickness that counts in providing the desired R/RSI value, regardless of what the applied thickness was initially.

COVERAGE CHART FOR VERTICAL CAVITY INJECTION (WALL FILL)

Based on Installation Density of 3.0 lb/ft³ (48 kg/m³)

<i>Cavity Thickness Applied</i>	<i>Nominal "2 x 4" Cavity Actual thickness = 3½" (89 mm)</i>	<i>Nominal "2 x 6" Cavity Actual thickness = 5½" (140 mm)</i>	<i>Nominal "2 x 8" Cavity Actual thickness = 7¼" (184 mm)</i>
<i>Thermal Resistance</i>	R-13.3 (RSI 2.34)	R-20.9 (RSI 3.68)	R-27.6 (RSI 4.85)
<i>Maximum Coverage per Bag (uncorrected for framing considerations)</i>	29.0 ft² (2.69 m²)	18.4 ft² (1.71 m²)	14.0 ft² (1.30 m²)

COVERAGE CHART FOR HAND-POUR (MANUAL) APPLICATION IN ATTIC SPACES

Weathershield™ can be installed by breaking up the product mechanically (by rake) and/or manually (by hand) in order to provide a reasonable dispersion of fibres. Hand-pour coverage is at least 30% less than machine-blown application, depending on the effort given to breaking up the fibres. Please contact Can-Cell for recommended installation methods.

<i>R-10 = 2.70 inches 56.3 sq.ft. / bag RSI 1.76 = 69 mm 5.23 sq. metres</i>	<i>R-20 = 5.41 inches 28.1 sq.ft. / bag RSI 3.52 = 137 mm 2.61 sq. metres</i>	<i>R-30 = 8.11 inches 18.8 sq.ft. / bag RSI 5.28 = 206 mm 1.74 sq. metres</i>
<i>R-15 = 4.05 inches 37.6 sq.ft. / bag RSI 2.64 = 103 mm 3.49 sq. metres</i>	<i>R-25 = 6.76 inches 22.5 sq.ft. / bag RSI 4.40 = 172 mm 2.09 sq. metres</i>	<i>R-35 = 9.46 inches 16.1 sq.ft. / bag RSI 6.16 = 240 mm 1.49 sq. metres</i>



Can-Cell Industries Inc.

Head Office: 14735-124 Avenue, Edmonton, Alberta Phone (780) 447-1255 Fax (780) 447-1034

1-800-661-5031

