TECHNICAL DATA SHEET

Profib®Cell+

DESCRIPTION

Profib®Cell+ is a natural thermal and acoustic insulation made from wood fibers sourced from FSC® (Forest Stewardship Council) certified forests. It is applied using the same method and equipment as paper cellulose, without the debris and with reduced dust. Installing Profib®Cell+ in attics and walls provides excellent thermal insulation and superior soundproofing.

FEATURES AND BENEFITS

Renewable and sustainable

Soundproofing

Non-toxic and non-abrasive

Low carbon footprint

- Superior thermal phase shift (ability to slow down heat transfer)
- Natural insulation: non-abrasive and non-toxic
- Moisture regulation

STORAGE AND INSTALLATION

It is recommended to store the bags away from the elements to avoid any contact with water and sunlight. If the pallet is stored outside, it is important to cover it with an opaque protective cover. Profib®Cell+ is installed using a cellulose insulation blower in attics, crawl spaces, ceilings, floors, and walls. Refer to the installation guide for instructions. It is recommended to hire a professional for the installation.

LIABILITY

A 15-day period is granted to inspect the product and notify any issues in writing. In case of a justified claim, only the product is subject to replacement. The manufacturer's liability cannot, for any reason, exceed the price paid by the buyer.

TECHNICAL DATA

R-VALUE	R 3,7 (RSI 0,65) PER 1'' (25,4 MM)	ASTM C518
GLOBAL WARMING POTENTIAL	0,2 KG EQ CO2 (1m2: 1 RSI)	EPD
FLAMMABILITY TO OPEN FLAME (W/CM²)	PASSED	CAN/ ULC-S703
FUNGUS RESISTANCE	PASSED	ASTM E605
CORROSIVITY	NO PERFORATION	ASTM B209 ASTM B252 ASTM G1-90
WATER VAPOR SORPTION	9,53 %	CAN/ ULC-S703
ACOUSTIC PROPERTIES	SAA AND NRC > 0,75	ASTM C423
WEIGHT OF A BAG	11.3 KG (25 LBS) ± 5%	

SAFETY

It is recommended to wear an N95 mask when applying in confined spaces such as a crawl space. In case of discomfort, move the person to a well-ventilated area. In case of eye contact, rinse thoroughly with water for at least 15 minutes. If the problem persists, consult a doctor. Ensure you have the SDS sheet available at all times. Available at **naturefibres.com.**

MADE IN CANADA / FABRIQUÉ AU CANADA

FSC®

UL CERTIFIED LOOK FOR THE UL MARK FOR DETAILS

The information described in this sheet is provided to help select the appropriate insulating material for your use. It is the user's responsibility to determine if the product meets their needs and complies with current regulations.

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TECHNICAL DATA SHEET

Coverage Table - Attics (Application Density of 24 kg/m³ - 1.47 lbs/ft³) R-Value = 3.7 Density 24.4kg/m³											
Thermal resistance		Application thickness		After settling		Mass per unit area		Coverage per bag		Bags per unit area	
R	RSI	in	mm	in	mm	lb/ft²	kg/m²	ft²	m²	1000 ft²	100 m²
12	2,1	3,6	92	3,2	82	0,5	2,3	54,3	5,0	18	20
20	3,5	6,1	154	5,4	137	0,8	3,8	32,6	3	31	33
32	5,6	9,7	246	8,6	220	1,2	6	20,4	1,9	49	53
40	7	12,1	308	10,8	275	1,5	7,5	16,3	1,5	61	66
50	8,8	15,1	384	13,5	343	1,9	9,4	13	1,2	77	83
60	10,6	18,2	461	16,2	412	2,3	11,3	10,9	1	92	99
70	12,3	21,2	538	18,9	481	2,7	13,1	9,3	0,9	107	116
80	14,1	24,2	615	21,6	549	3,1	15	8,1	0,8	123	132

Coverage Table - Walls (Application Density of 48 kg/m³ - 2.99 lbs/ft³) R-Value = 3.7 Density 48.0kg/m³									
Thermal resistance		Application thickness		Mass per unit area		Coverage per bag		Bags per unit area	
R	RSI	in	mm	lb/ft²	kg/m²	ft²	m²	1000 ft²	100 m²
13	2,3	3,5	89	0,9	4,3	28,6	2,7	35	38
20	3,6	5,5	140	1,4	6,7	18,2	1,7	55	59
28	4,9	7,5	191	1,9	9,1	13,4	1,2	75	80
35	6,2	9,5	241	2,4	11,6	10,6	1	95	102
43	7,5	11,5	292	2,9	14	8,7	0,8	115	123
52	9,1	14	356	3,5	17,1	7,2	0,7	140	150
59	10,4	16	406	4	19,5	6,3	0,6	160	172
67	11,7	18	457	4,5	21,9	5,6	0,5	180	193
74	13	20	508	5	24,4	5	0,5	199	215
81	14,3	22	559	5,5	26,8	4,6	0,4	219	236
89	15,6	24	610	6	29,3	4,2	0,4	239	257

Coverage Table - Floors/Ceilings (Application Density of 30 kg/m³ - 1.87 lbs/ft³) R-Value = 3.7 Density 30.0kg/m³									
Thermal resistance		Application thickness		Mass per unit area		Coverage per bag		Bags per unit area	
R	RSI	in	mm	lb/ft²	kg/m²	ft²	m²	1000 ft²	100 m²
13	2,3	3,5	89	0,6	2,7	45,3	4,2	22	24
20	3,6	5,5	140	0,9	4,2	29,1	2,7	34	37
28	4,9	7,5	191	1,2	5,7	21,4	2	47	50
35	6,2	9,5	241	1,5	7,2	17	1,6	59	63
43	7,5	11,5	292	1,8	8,8	13,9	1,3	72	77
52	9,1	14	356	2,2	10,7	11,4	1,1	88	94
59	10,4	16	406	2,5	12,2	10	0,9	100	107
67	11,7	18	457	2,8	13,7	8,9	0,8	112	121
74	13	20	508	3,1	15,2	8	0,7	124	134
81	14,3	22	559	3,4	16,8	7,3	0,7	137	148
89	15,6	24	610	3,7	18,3	6,7	0,6	150	161

Sag Factor: less than 12% (SH12). For your information, these tables indicate the minimum number of bags to use. The result varies depending on the application technique, equipment, and hose used.

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