



Technical DataSheet

ALL BORATE



Product Name: IGLOO Cellulose

Technical Name: Loosely packed cellulosic wood fiber

State: Free flowing-wood base

Color: Gray

Odor: None

Dimensional Weight: 1.49 lbs/ft³

Chemical Composition:

- Newsprint and cardboard fiber C6H10O3
- Boric Acid H₃BO₃
- Additives for dust control

Product Registration:

- Canadian Construction Materials Center (CCMC)
- Technical product / CCMC #08532-L
- Technical product for walls/ CCMC #12835-R
- R & D Services for laboratory tests
- Meets Standards ASTM C-739, 16CFR Section 1209
- Low VOC Emission Certificat #120120-03 (Berkeley Analytical)
- Greenguard Gold Certificat

Ph: At 25°C, 2% solution: 7.8

Packaging: 25 lbs / bag

Installation:

- IGLOO Cellulose insulation high efficiency relies on air between the fibers, obtained when the cellulose expands during installation.
- Clear up 1 ft² for 300 ft² of ceiling of air intake.
- Apply in places where temperature does not exceed 194°F
- Install 3 in or more away from chimneys or heat source.
- Wear a respiratory mask at all times during blowing.
- For soundproofing, contact an acoustical engineer.
- For wall insulation, apply enough product to achieve at least 3 lbs/ft³ density (Recommended 360HD nozzle)
- Do not apply on built-in-surface mounted light fixtures without proper and approved IC protection.

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Installation Chart: USA STANDARDS - CHART IN ACCORDANCE WITH ASTM C1374

Net Coverage - Attics

Minimum Net Weight: 25 lbs

R-Value

at 75°F
3.72/in (at 4 in.)

Initial installed
Thickness (in.)

Minimum Settled
Thickness (in.)

Bags per 1000
sq.ft. No joist

Net Coverage
sq.ft./Bag

Minimum
Weight lb/sq.ft.

13	3.88	3.49	18.4	54.3	0.46
19	5.67	5.11	26.9	37.2	0.67
22	6.56	5.91	31.1	32.1	0.78
30	8.95	8.06	42.5	23.5	1.06
38	11.34	10.22	53.8	18.6	1.34
49	14.62	13.17	69.4	14.4	1.73
60	17.90	16.13	84.9	11.8	2.12

THIS PRODUCT MEETS THE AMENDED CPSC STANDARD FOR FLAME RESISTANCE AND CORROSIVENESS OF CELLULOSE INSULATION

CPSC Standard HH-I-515E; 16CFR 1209. Cass 1 / Class A Building Material / Meets ASTM C739

The installed thickness data were generated with a Krendl Model 500 using air setting 63.5 and gate setting 5.

Thermal Resistivit

- ASTM C518-10
- R = 3.725 per inch

Corrosiveness:

- ASTM C739-11, Section 9
- No perforations on Aluminium, Copper and Steel coupon

Surface Combustion Specifications:

- ASTM C739-11 and ASTM E970-14
- Greater than 0.12 W/cm2

Cryptogamic Resistance:

- ASTM C739-11, Section 11 and ASTM C1338-14
- No fungal growth

Smoldering Combustion:

- ASTM C739-11, section 14
- Less than 15%

Odor Emission:

- ASTM C739-11, Section 13
- No odor

Absorption of Moisture Vapor:

- ASTM C739-11, section 12
- Less than 20%



1485, Transcanada, Dorval (Quebec)
CANADA H9P 2V3

T 514 694-1485 | 1 800 363-7876 F 514 694-3999
www.cellulose.com