



# Technical DataSheet

## ALL BORATE



ISOLATION • INSULATION



**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/ft<sup>3</sup>

**Chemical Composition:**

- Newsprint and cardboard fiber C6H1003
- Boric Acid H3B03
- 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 acheive 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%



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