MINIMUM NOISE

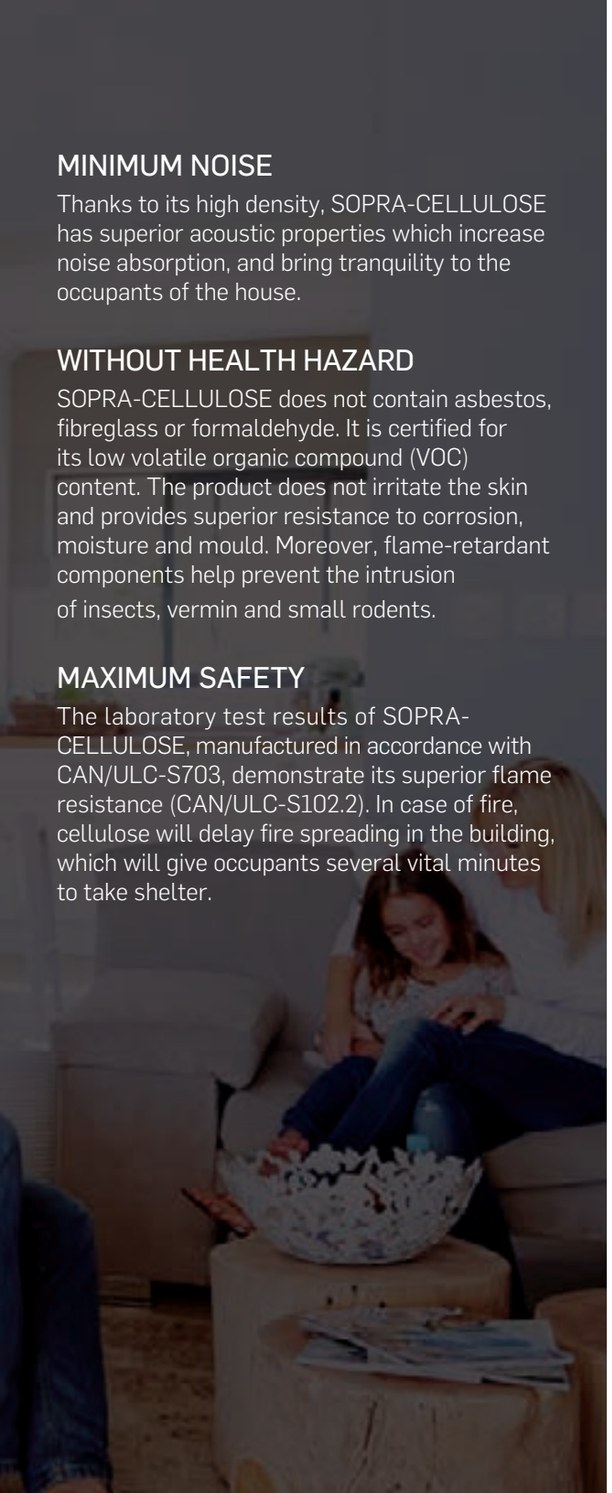
Thanks to its high density, SOPRA-CELLULOSE has superior acoustic properties which increase noise absorption, and bring tranquility to the occupants of the house.

WITHOUT HEALTH HAZARD

SOPRA-CELLULOSE does not contain asbestos, fibreglass or formaldehyde. It is certified for its low volatile organic compound (VOC) content. The product does not irritate the skin and provides superior resistance to corrosion, moisture and mould. Moreover, flame-retardant components help prevent the intrusion of insects, vermin and small rodents.

MAXIMUM SAFETY

The laboratory test results of SOPRA-CELLULOSE, manufactured in accordance with CAN/ULC-S703, demonstrate its superior flame resistance (CAN/ULC-S102.2). In case of fire, cellulose will delay fire spreading in the building, which will give occupants several vital minutes to take shelter.



SOPREMA®

INNOVATION SINCE 1908

SOPREMA has developed around the idea that the quality, durability and reliability of materials must match builders' ambitions and expectations. For more than 100 years, SOPREMA has been using its expertise to develop a variety of high-end products that meet or exceed all the requirements of the construction field.

ROOFS WALLS FOUNDATIONS PARKING DECKS BRIDGES ADDITIONNAL

WATERPROOFING · INSULATION · VEGETATIVE SOLUTIONS · SOUNDPROOFING · ACCESSORY PRODUCTS

SOPREMA is an international manufacturer specializing in the production of waterproofing and insulation products, as well as vegetative and soundproofing solutions, for the building and civil engineering sectors.

CUSTOMER SERVICE

Professionals
SOPREMA.CA
1.877.MAMMOUTH

Residential
1.877.478.8408

BR348_v.122021

SOPRA-CELLULOSE

COMFORT OPTIMIZED NOISE MINIMIZED

INSULATION
SOUNDPROOFING

THERMAL AND ACOUSTICAL CELLULOSE INSULATION FOR INTERIOR AND EXTERIOR WALLS, ATTICS, FLOORS AND CEILINGS.

SOPREMA®

When selecting insulation material for your home, you need to consider costs, energy efficiency and environmental impact, but you must also think about the health, safety and quality of life of the occupants.

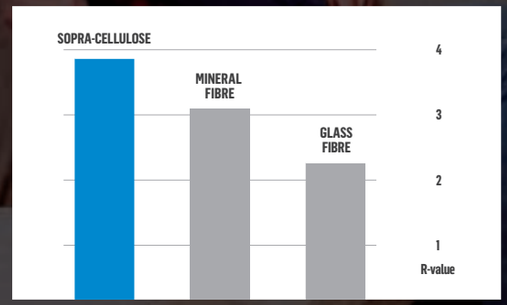
SOPRA-CELLULOSE, a thermal and acoustic insulation made of more than 80% recycled paper and cardboard and 15% flame-retardant minerals, is used for both new construction and renovations.

OPTIMUM COMFORT

With an R-value of 3.7 per inch, SOPRA-CELLULOSE offers the highest thermal resistance of all traditional bulk insulation fibres on the market, allowing superior control of temperature and humidity.

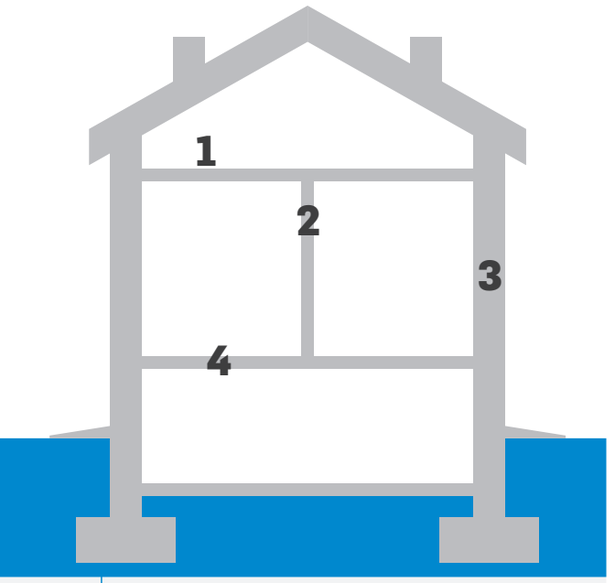
GREAT SAVINGS

Cellulose is one of the best choices in terms of value for money. Furthermore, its high-energy efficiency translates into potential annual savings on heating and cooling costs.



Comparative table of the "R" thermal resistance per inch of thickness of the most common blown insulation.

VERSATILE AND EASY INSTALLATION



1. Attic insulation

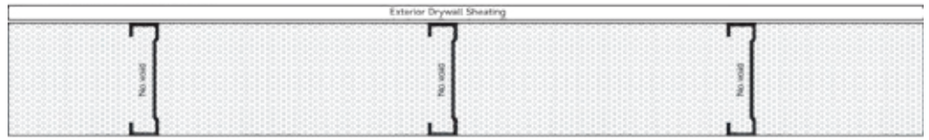
2. Soundproofing of inside walls

3. Insulation of outdoor walls

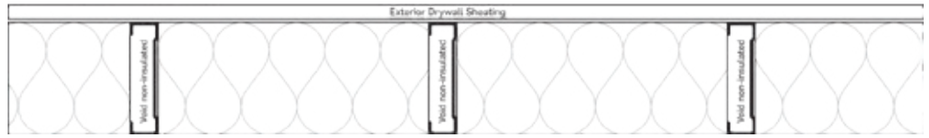
4. Soundproofing of floors

The insulating material penetrates into the small interstices of the structure to form a homogeneous seamless cushion, thus limiting air infiltration and thermal bridges.

BLOWN CELLULOSE INSULATION



TRADITIONAL BATT INSULATION



COVERAGE SPECIFICATIONS – BLOWN APPLICATION

COVERAGE CHART (ATTIC) • Settled density : 25.6 kg/m³ (1.6 lb/ft³)

THERMAL RESISTANCE		APPLIED THICKNESS		THICKNESS AFTER SETTLING		MASS PER UNIT AREA		COVERAGE PER BAG		MIN. BAGS PER UNIT AREA	
RSI	R	mm	in	mm	in	kg/m²	lb/ft²	m²	ft²	100 m²	1000 ft²
2.1	12	94	3.7	84	3.3	2.1	0.4	5.3	56.9	19.0	17.6
2.3	13	103	4.0	92	3.6	2.3	0.5	4.8	52.0	20.8	19.2
3.4	19	152	6.0	136	5.3	3.5	0.7	3.3	35.1	30.7	28.5
3.5	20	156	6.2	139	5.5	3.6	0.7	3.2	34.1	31.6	29.3
3.9	22	174	6.9	155	6.1	4.0	0.8	2.8	30.6	35.3	32.6
5.3	30	237	9.3	211	8.3	5.4	1.1	2.1	22.5	47.9	44.4
5.6	32	250	9.8	223	8.8	5.7	1.2	2.0	21.3	50.6	46.9
6.7	38	299	11.8	267	10.5	6.8	1.4	1.7	17.8	60.6	56.1
7	40	312	12.3	279	11.0	7.2	1.5	1.6	17.1	63.3	58.6
8.6	49	394	15.5	343	13.5	9.0	1.8	1.3	13.5	79.8	73.9
8.8	50	403	15.9	351	13.8	9.2	1.9	1.2	13.2	81.7	75.6
10.8	61	517	20.3	430	16.9	11.8	2.4	1.0	10.3	104.6	96.8

This chart indicates the minimum number of bags to use. The final result will vary according to the application technique, the equipment and the hose used. The thermal resistances presented in this chart are measured after settlement, according to ASTM C518 standard and ASTM C687 conditioning method. A 15% settlement rate for RSI 8,6 (R-49) and RSI 8,8 (R-50) and a 20% settlement rate for RSI 10,8 (R-61) was added. For the most up-to-date information, please refer to our website at www.soprema.ca.

COVERAGE CHART (WALL) • Wall density : 56 kg/m³ (3.5 lb/ft³) or 64 kg/m³ (4 lb/ft³)

THERMAL RESISTANCE		INSULATION THICKNESS		MASS PER UNIT AREA		COVERAGE PER BAG		MIN. BAGS PER UNIT AREA	
RSI	R	mm	in	kg/m²	lb/ft²	m²	ft²	100 m²	1000 ft²
2.2	12.7	89	3.5	4.5	0.9	2.5	27.2	40	37
3.5	19.9	140	5.5	7.0	1.4	1.6	17.3	62	58
6.4	36.2	254	10	15.0	3.1	0.8	8.2	132	123
7.6	43.4	305	12	18.2	3.7	0.6	6.7	160	149
8.9	50.7	356	14	21.4	4.4	0.5	5.7	189	176
10.2	57.9	406	16	24.7	5.1	0.5	4.9	218	202
11.5	65.1	457	18	27.9	5.7	0.4	4.4	246	229
12.7	72.4	508	20	31.2	6.4	0.4	3.9	275	255

This chart indicates the minimum number of bags to use. The final result will vary according to the application technique, the equipment and the hose used. The minimum number of bags required takes into account the volume of the wood structure. For the most up-to-date information, please refer to our website at www.soprema.ca.

ENVIRONMENTALLY FRIENDLY

SOPRA-CELLULOSE's composition— based on 100 % recycled fibres and an ecofriendly manufacturing process—contributes to meeting LEED program requirements as well as the standards of other green-building programs that provide entitlement to tax credits.

GREENGUARD GOLD