

MINIMUM NOISE

Thanks to its ability to fill voids homogeneously, efficiently and economically, SOPRA-CELLULOSE AB has superior acoustic properties which increase noise absorption and bring tranquility to the occupants of the home.

NO HEALTH HAZARD

SOPRA-CELLULOSE AB does not contain asbestos, fiberglass, 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 mold. Moreover, its flame-retardant properties help prevent the intrusion of insects, vermin, and small rodents.

SOPRA-CELLULOSE AB is GREENGUARD Gold certified, which considers safety factors on behalf of sensitive individuals and ensures that a product is acceptable for use in environments such as schools and healthcare facilities.



MAXIMUM SAFETY

The laboratory test results of SOPRA-CELLULOSE AB, manufactured in accordance with ASTM C739, demonstrate its exceptional fire retardant properties.



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 ADDITIONAL EXPERTISE



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

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SOPRA-CELLULOSE AB

COMFORT OPTIMIZED
NOISE MINIMIZED



INSULATION
SOUNDPROOFING

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



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

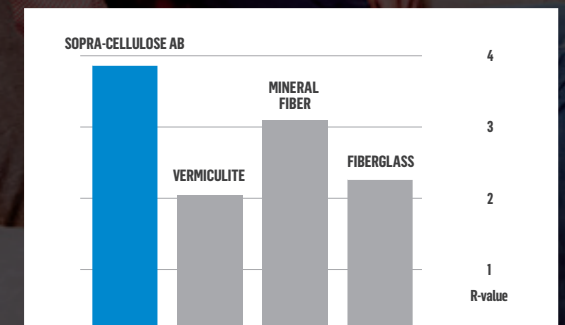
SOPRA-CELLULOSE AB, a thermal and acoustic insulation made of 85 % recycled newspapers and 15 % flame-retardant minerals, is used for both new constructions and renovations.

OPTIMUM COMFORT

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

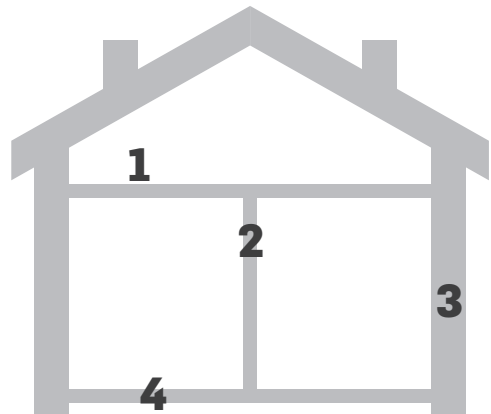
GREAT SAVINGS

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-value (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

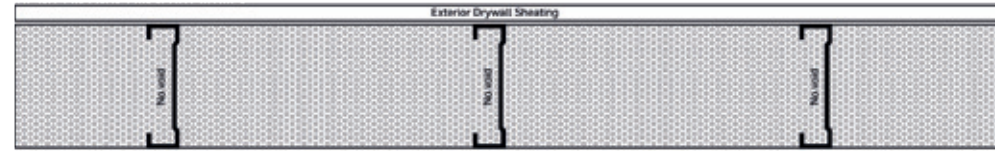


4 Soundproofing of floors

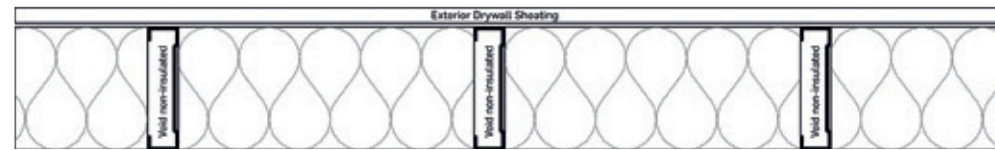


The insulating material penetrates the small interstices of the structure to form a homogeneous, seamless cushion, thus limiting air infiltration and thermal bridges.

BLOWN CELLULOSE INSULATION



TRADITIONAL BATT INSULATION



COVERAGE SPECIFICATIONS – BLOWN APPLICATION

COVERAGE CHART (ATTIC) • Settled density : 27.2 kg/m³ (1.7 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/m ²	lb/ft ²	m ²	ft ²	100 m ²	1000 ft ²
2.1	12	90	3.5	81	3.2	2.2	0.5	5.1	55.2	19.5	18.1
2.3	13	99	3.9	89	3.5	2.4	0.5	4.7	50.4	21.3	19.8
3.4	19	146	5.7	131	5.2	3.6	0.7	3.2	34.1	31.6	29.3
3.5	20	150	5.9	135	5.3	3.7	0.8	3.1	33.1	32.5	30.2
3.9	22	167	6.6	151	5.9	4.1	0.8	2.8	29.7	36.2	33.6
5.3	30	227	9.0	205	8.1	5.6	1.1	2.0	21.9	49.2	45.7
5.6	32	240	9.5	216	8.5	5.9	1.2	1.9	20.7	52.0	48.3
6.7	38	267	11.3	259	10.2	7.1	1.4	1.6	17.3	62.2	57.8
7	40	300	11.8	271	10.7	7.4	1.5	1.5	16.6	65.0	60.4
8.6	49	382	15.1	332	13.1	9.4	1.9	1.2	13.0	82.7	76.8
8.8	50	391	15.4	340	13.4	9.6	2.0	1.2	12.7	84.6	78.6
10.8	61	501	19.7	417	16.4	12.3	2.5	0.9	9.9	108.4	100.7

Settled density 1.7 lb/ft³. 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. Check with your representative for more information. 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/m ²	lb/ft ²	m ²	ft ²	100 m ²	1000 ft ²
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

*SOPRA-CELLULOSE AB must be injected to a minimum density of 56 kg/m³ (3.5 lb/ft³) for wall thickness up to 150 mm (6 inches) and to a minimum density of 64 kg/m³ (4 lb/ft³) for walls thickness greater than 150 mm (6 inches). The minimum number of bags required takes into account the volume of the wood structure. For walls with metal structure, additional bags may be required. Check with your representative for more information. For the most up-to-date information, please refer to our website at www.soprema.ca.



ENVIRONMENTALLY FRIENDLY

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

