

# SOPRA-CELLULOSE INSULATION

TECHNICAL DATA SHEET 170327SCANE

(supersedes -)



INSULATION  
SOUNDPROOFING

APPLICATIONS

WALLS

INDOOR APPLICATIONS

## DESCRIPTION

**SOPRA-CELLULOSE** insulation is made of 85% post-consumer recycled newspaper. It consists of loose small grey fibers, smooth to touch. **SOPRA-CELLULOSE** is also odourless and has low VOC content.

It acts as a protective shield to reduce the transmission of heat and sound. Efficient and environmental-friendly, **SOPRA-CELLULOSE** will reduce energy consumption and improve comfort for a wide range of climatic conditions.

## INSTALLATION

### BLOWN (ATTIC)

**SOPRA-CELLULOSE** is often applied over existing batt insulation in attics as additional insulation to fill the voids. It is also an excellent insulation for attics of new homes. This product must be blown with special equipment to a minimum density of 24.5 kg/m<sup>3</sup> (1.5 lb/ft<sup>3</sup>) and can be applied manually in restricted spaces.

### INJECTED (WALL AND FLOOR)

This system uses a polyethylene membrane that is secured to the studs with a dual sided tape with fasteners and furring . Openings are then made to inject dry **SOPRA-CELLULOSE** with mandatory 360 HD nozzle (dense pack system). Material must be injected to a minimum density of 48 kg/m<sup>3</sup> (3.0 lb/ft<sup>3</sup>) for walls and 40 kg/m<sup>3</sup> (2.5 lb/ft<sup>3</sup>) for floors.

Service temperature: < 90 °C (< 194 °F)

**SOPRA-CELLULOSE** meets GREENGUARD GOLD certification.



FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

## PACKAGING

Specifications	SOPRA-CELLULOSE
Colour	Grey
Density:	
Attics	24.5 kg/m <sup>3</sup> (1.5 lb/pi <sup>3</sup> )
Walls	48 kg/m <sup>3</sup> (3.0 lb/pi <sup>3</sup> )
Floors	40 kg/m <sup>3</sup> (2.5 lb/pi <sup>3</sup> )
Packaging	11.3 kg (25 lb) Bag



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

NOTE : SOPREMA INC. may modify the composition and/or utilization of its products without prior notice.

TDS\_SOPRA\_CELLULOSE.indd

# SOPRA-CELLULOSE INSULATION

TECHNICAL DATA SHEET 170327SCANE

(supersedes -)



INSULATION  
SOUNDPROOFING

APPLICATIONS

WALLS

INDOOR APPLICATIONS

## INSTALLATION CHART (ATTIC)

THERMAL RESISTANCE RSI (R)	APPLIED THICKNESS mm (po)	SETTLED THICKNESS mm (po)	MASS PER UNIT AREA kg/m <sup>2</sup> (lb/pi <sup>2</sup> )	COVERAGE PER BAG m <sup>2</sup> (pi <sup>2</sup> )
2.1 (12)	94 (3.7)	84 (3.3)	2.0 (0.4)	5.5 (59.7)
2.3 (13)	103 (4.0)	92 (3.6)	2.2 (0.5)	5.1 (54.5)
3.4 (19)	152 (6.0)	135 (5.3)	3.3 (0.7)	3.4 (36.9)
3.5 (20)	156 (6.1)	139 (5.5)	3.4 (0.7)	3.3 (35.8)
3.9 (22)	174 (6.9)	155 (6.1)	3.8 (0.8)	3.0 (32.1)
5.3 (30)	237 (9.3)	211 (8.3)	5.2 (1.06)	2.2 (23.6)
5.6 (32)	250 (9.8)	223 (8.8)	5.5 (1.1)	2.1 (22.4)
6.7 (38)	299 (11.8)	267 (10.5)	6.5 (1.34)	1.74 (18.7)
7.0 (40)	312 (12.3)	279 (11.0)	6.8 (1.4)	1.7 (17.9)
8.6 (49)	384 (15.1)	343 (13.5)	8.4 (1.7)	1.4 (14.6)
8.8 (50)	393 (15.5)	351 (13.8)	8.6 (1.8)	1.3 (14.2)
10.8 (61)	482 (19.0)	430 (16.9)	10.5 (2.2)	1.1 (11.6)

Settled density 1.5 lb per cubic foot - 24.5 kg per cubic meter

This chart indicates the minimum of bags to use. The final result will vary according to the application technique, the equipment, and the hose used.

From R-40 or RSI-7.0, it may be necessary to bring a correction according to the application technique.

## INSTALLATION CHART (WALL AND FLOOR)

WOOD STRUCTURE mm (po)	THERMAL RESISTANCE RSI (R)	MASS PER UNIT AREA kg/m <sup>2</sup> (lb/pi <sup>2</sup> )	COVERAGE PER BAG m <sup>2</sup> (pi <sup>2</sup> )
38 x 89 (2 x 4)	2.3 (14)	4.3 (0.9)	2.7 (29)
38 x 140 (2 x 6)	3.6 (21)	6.7 (1.4)	1.7 (18)



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

NOTE : SOPREMA INC. may modify the composition and/or utilization of its products without prior notice.

TDS\_SOPRA\_CELLULOSE.indd

# SOPRA-CELLULOSE INSULATION

TECHNICAL DATA SHEET 170327SCANE

(supersedes -)



INSULATION  
SOUNDPROOFING

APPLICATIONS

WALLS

INDOOR APPLICATIONS

## PROPERTIES

Properties	Standards	SOPRA-CELLULOSE
Thermal resistance	-----	Blown (attic) RSI = 0.65 per 25.4 mm (R = 3.7 per inch)
Flame spread rating	CAN / ULC-S102.2	< 150 (Class A)
Flame spread rating	CAN / ULC-S102	< 25 (Class A)
Open-flammability	CAN / ULC S703	min. 0.12 w/cm <sup>2</sup>
Open-flammability permanency	CAN / ULC S703	min. 0.12 w/cm <sup>2</sup>
Resistance to combustion without flame - mass loss after being exposed to a high temperature	CAN / ULC S703 CAN / ULC S130	max. 15%
Moisture vapour sorption	CAN / ULC S703 ASTM C739	less than 20%
Corrosivity	CAN / ULC S703 ASTM G1-90	Exposed @ 50°C for 28 days - No perforation # 3003 bare aluminum, soft temper - No perforation # 110 CABRA type ETP, soft copper - No perforation Cold rolled low carbon steel, commercial quality - No perforation
Mold resistance - in a culture medium containing fungous spores (95% RH and 28 °C) after 28 days	CAN / ULC S703 ASTM C1338	No mold
Separation of chemicals - after agitating at 275 cycles/min for 30 minutes	CAN / ULC S703	less than 1.5 %

For CCMC product evaluation see CCMC Evaluation listing # 09232-L ventilated attic  
UL # 2818 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.

## STORAGE AND HANDLING

Bags must be stored indoor, in their original packaging. On job site, cover them with an opaque protective cover.



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

NOTE : SOPREMA INC. may modify the composition and/or utilization of its products without prior notice.

TDS\_SOPRA\_CELLULOSE.indd