WATERPROOFING
INSULATION

SOPRASMART ROCK

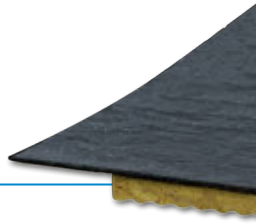
ROOFS

MULTI-PURPOSE BOARDS FACTORY-LAMINATED
WITH HIGH-DENSITY MINERAL FIBRE (STONE WOOL)

SOPREMA®

Bombardier - Montreal

2-1 SOPRASMART ROCK



2-1 SOPRASMART ROCK is a high-density mineral fibre (stone wool) insulation board on which a base sheet membrane is factory-laminated.

3-1 SOPRASMART ROCK

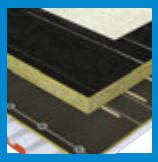
3-1 SOPRASMART ROCK is a ½ in thick 2-1 SOPRASMART ROCK and a polyisocyanurate insulation board, factory-laminated together. Already known for its thermal qualities, ISO insulation, when combined with mineral wool insulation, is even more effective and durable. In addition, 3-1 SOPRASMART ROCK significantly reduces the application time on job site.

INNOVATION

Five roofing applications FOR ONE UNIQUE AND INNOVATIVE PRODUCT

COVER BOARD ON INSULATION

Install 2-1 SOPRASMART ROCK directly on any type of insulation and obtain, in one single step, a non combustible overlay board, additional R-value, and a quality controlled base sheet membrane installation.



INSULATION BOARD ON VAPOUR BARRIER

Using 2-1 SOPRASMART ROCK as an insulation board (R-4 per inch) means that a roof system can contain only 3 components: 2-1 SOPRASMART ROCK insulation board and cap sheet.

RECOVER BOARD

Because the original roof remains in place, there are considerable savings in terms of time and effort, and 2-1 SOPRASMART ROCK also contributes to protecting the environment.

FLASHING MEMBRANE

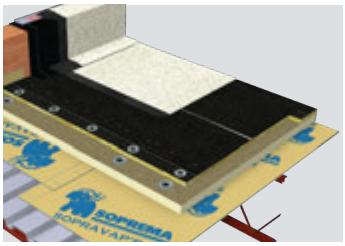
2-1 SOPRASMART ROCK can be installed on all types of upstands, even in cold weather. Its impressive dimensional stability provides an even, smooth surface, which facilitates the application of the cap sheet.

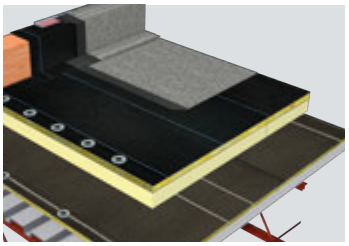
FOR GREEN ROOFS

For a more ecological result, install the SOPRANATURE green roofing system over an 2-1 SOPRASMART ROCK roofing system. This environmentally friendly combination also increases the life expectancy. Indeed, if a repair is required, 2-1 SOPRASMART ROCK allows changes only to a specific part of the system.

CHARACTERISTICS

		BOARDS	
		2-1 SOPRASMART ROCK	3-1 SOPRASMART ROCK
INSTALLATION METHOD	Mechanically fastened	●	●
	Adhered with DUOTACK adhesive	●	●
	Adhered with hot bitumen	●	●
DIMENSIONS	0.91 m x 2.44 m (3 ft x 8 ft)	●	●
	0.91 m x 4.88 m (3 ft x 16 ft)	●	●
AREA	2.22 m^2 (24 ft^2)	●	●
	4.88 m^2 (48 ft^2)	●	●
THICKNESS (stone wool)	12.7 mm (1/2 in) to 127 mm (5 in)	●	●
	15.8 mm (5/8 in)		
R-VALUE	Stone wool - R-4 per inch	●	●
	Polyisocyanurate (see technical data sheet)		●





HIGH PERFORMANCE Products

SOPREMA High Performance products have been designed to meet a fundamental criterion: **DURABILITY.**

These products outperform other products in their category. To be recognized as such, they must have at least one of the following characteristics:

- a composite reinforcement (non-woven polyester and glass mat) meeting the requirements of ASTM D6162;
- a composite product comprising a conventional factory-laminated membrane (SBS modified bitumen with polyester reinforcement) on a support panel (asphaltic, mineral fibre[stone wool] or polyisocyanurate HD);
- or a unique partial bonding design.

STONE WOOL

Stone wool was discovered on the islands of Hawaii at the beginning of the century. Its 100 % natural composition combines the power of rock with the characteristics of typical insulation wool. Considered today as a choice product all over the world, stone wool is both recyclable and reusable. In 2013, improvements were made to the manufacturing process of the stone wool, thus increasing its density. In addition to reducing the spongy effect of the material, this high density also enables the insallation of 2-1 SOPRASMART ROCK and 3-1 SOPRASMART ROCK boards with DUOTACK adhesive.

BENEFITS

- NON-COMBUSTIBLE
- RECYCLED CONTENT
- WATER REPELLENT
- SOUNDPROOF MATERIAL
- STABLE R-VALUE
- DIMENSIONAL STABILITY

DUO SELVEDGE TECHNOLOGY

For the safest installation, 2-1 SOPRASMART ROCK and 3-1 SOPRASMART ROCK laminated boards are provided with DUO SELVEDGE, a unique technology developed and patented by SOPREMA in 2004.

On the full width of DUO SELVEDGE, a percentage is sealed with self-adhesive, which protects components under the base sheet from torch flame. The remaining part is then safely heat-welded or sealed with a hot air gun or the SOPRAMATIC. This provides additional safety when the cap sheet is not installed immediately.

2-1 SOPRASMART ROCK and 3-1 SOPRASMART ROCK laminated boards are also equipped with a cross selvedge of 1 inch (25 mm) at one end to prevent flame penetration between panels during the application of SOPRA-LAP STICK cover strips.

TESTS AND APPROVALS

CSA A123.21
MEETS CSA STANDARD
listed by exp.

ULC LISTED

CGSB 37.56-M
(9th draft)

FM APPROVED
Does not apply to 3-1 SOPRASMART ROCK.

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 | COMPLEMENTARY 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.

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