



INSULATION
SOUNDPROOFING

SOPRAROCK M

MINERAL WOOL

ROOFS

WALLS

RIGID STONE WOOL PANELS FOR THERMAL AND SOUND INSULATION





SOPRAROCK M

Looking for INSULATION SOLUTIONS that are energy saving and fire-resistant with soundproofing properties?

SOPRAROCK M is SOPREMA's high-performance range of rigid stone wool panels for thermal and sound insulation. Thanks to its multipurpose properties, SOPRAROCK M meets the needs of the most demanding building structures.

WHAT IS STONE WOOL?



Stone wool was first discovered in the Hawaiian Islands in the early part of the last century. It is a natural product resulting from volcanic activity. Its manufacturing process makes it very durable and highly insulating. It is made of 100% natural materials, is both recyclable and reusable, and is considered today as a product of choice by contractors, architects, and building owners worldwide.

PROPERTIES

PROPERTIES	UNIT	VALUES					STANDARDS
		M 60	M 80	M 100	M 120	M 140	
Nominal volumetric weight	kg/m ³	60	80	100	120	140	-
Declared thermal conductivity at 20 °C	W/mK	< 0.035	< 0.036	< 0.036	< 0.038	< 0.038	ASTM C518
Long-term immersion	kg/m ²	< 3					EN 12087
Water absorption during short-term immersion (WS)	kg/m ²	< 1					EN 1609
Reaction to fire	Euroclass	A1					EN 13501-1
Noise absorption coefficient	Contact your local representative for more information.						

CHARACTERISTICS

FIRE RESISTANCE

SOPRAROCK M products are non-combustible and resistant to temperatures of over 1,000 °C (1,832 °F). They provide maximum protection against the spread of flames in the event of a fire, and reduce the likelihood of toxic gases and smoke forming.

DIMENSIONAL STABILITY

Thanks to the expansion coefficient of stone wool, SOPRAROCK M products are only mildly, if at all, affected by temperature fluctuations.

WATER-REPELLENT

SOPRAROCK M products have a low water vapour absorption capacity of 0.03% and hold less than 1% of water per volume.

ACOUSTIC PROPERTIES

The non-directional structure of SOPRAROCK M panel fibers dampens ambient noise and provides a more comfortable and calm environment.

ROT-PROOF

SOPRAROCK M panels are rot-proof and made from non-corrosive materials. Mold, fungi and bacteria could very well surface, but have no impact on the performance or R-value of SOPRAROCK M panels.

ENERGY SAVINGS

Buildings with SOPRAROCK M stone wool panels provide savings in energy. Variations in the dimensions of other board insulation types may lead to heat loss, thereby increasing energy consumption.

APPLICATIONS

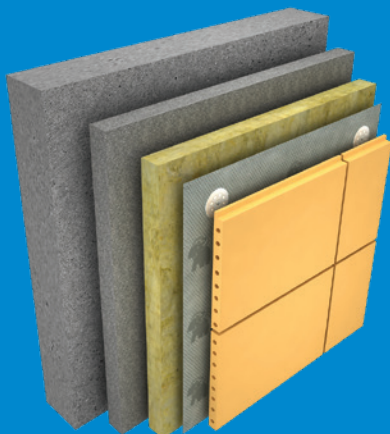
SOPRAROCK M products are developed by SOPREMA for building insulation systems, suitable for general applications in industrial, commercial and residential buildings. Indeed, SOPRAROCK M is a multipurpose range of products which can be used for curtain walls, double-skin metal roofs, drywall partitions, and ceilings.

PACKAGING AND STORAGE

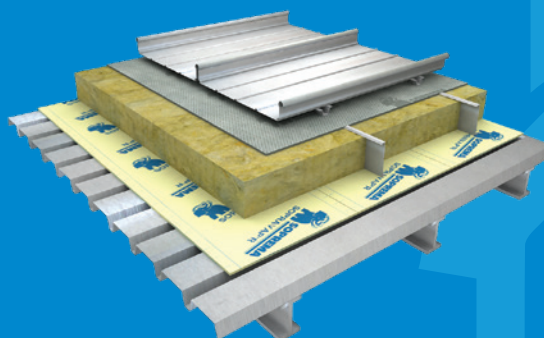
In order to facilitate transportation, storage and identification, SOPRAROCK M products are shrink-wrapped in a polyethylene plastic film. They should be kept indoors or protected by a waterproof covering.

DIMENSIONS

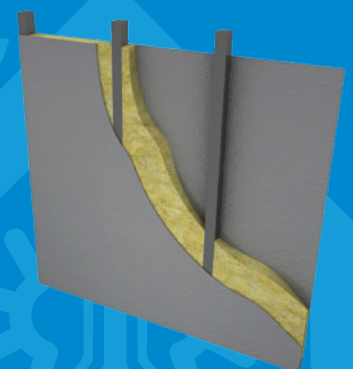
LENGTH x WIDTH (m)	THICKNESS (mm)	DENSITY (kg/m ³)
1.2 x 0.6	50 to 100	60 to 140



CURTAIN WALL



DOUBLE-SKIN METAL ROOF



DRYWALL PARTITION

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.



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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