INSULATION
SOUNDPROOFING

SOPRAROCK M

MINERAL WOOL

ROOFS

WALLS

RIGID STONE WOOL PANELS FOR THERMAL AND SOUND INSULATION

SOPREMA®

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. Thank to its multipurpose properties, SOPRAROCK M can used for curtain walls, double-skin metal roofs, drywall partitions, and ceilings. SOPRAROCK M can meet the needs of the most demanding building structures.

CERTIFICATION

SINGAPORE GREEN BUILDING PRODUCT SGBC EXCELLENT

SOPRAROCK M is SGBC certified. SOPRAROCK M is manufactured according to the principles of sustainable building, respecting the environment, human resources, and the economy!

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.

CHARACTERISTICS

FIRE RESISTANCE

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

DIMENSIONAL STABI LITY

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

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.

WATER-REPELLENT

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

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.

ACOUSTIC PROPERTIES

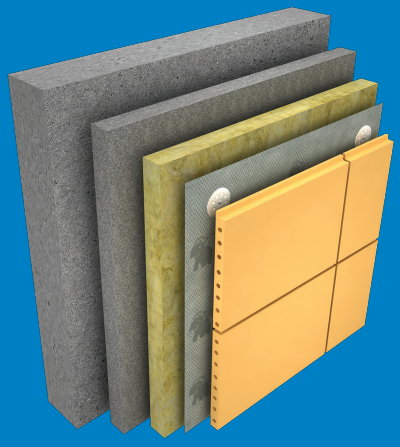
The non-directional structure of SOPRAROCK M panel fibers dampens ambient noise and provides a more comfortable and calm environment.

DIMENSIONS

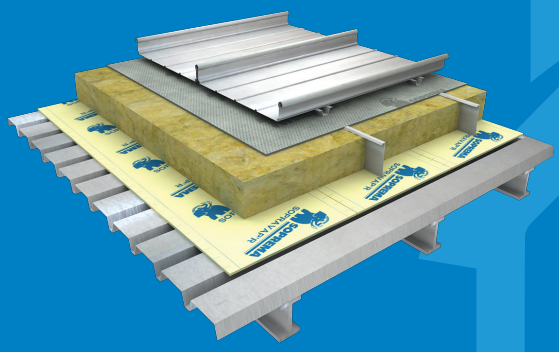
LENGTH x WIDTH (m)	THICKNESS (mm)	DENSITY (kg/m³)
1.2 x 0.6	50 to 100	60 to 140

PROPERTIES

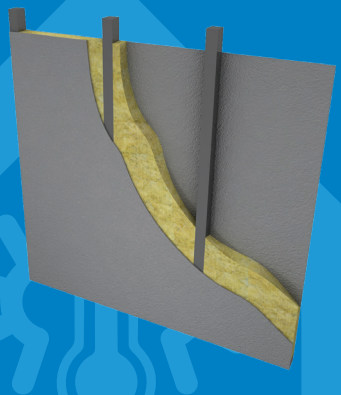
PROPERTIES	UNIT	VALUES					STANDARDS
		M 60	M 80	M 100	M 120	M 140	
Nominal volumetric weight	kg/m³	60	80	100	120	140	-
Declared thermal conductivity at 25 °C	W/mK	0.036	0.036	0.038	0.038	0.038	ASTM C518
Long-term immersion	kg/m²	< 3					EN 12087
Water absorption during short-term immersion (WS)	kg/m²	< 1					EN 1609
Reaction to fire	Euroclass	A1					EN 13501-1
Noise absorption coefficient	Contact your local representative for more information.						



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.

WATERPROOFING INSULATION SOUNDPROOFING FLOORING COMPLEMENTARY SOLUTIONS

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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