



EQUUS SOPREMA SOPRAROCK M MINERAL WOOL

Rigid stone wool panels for thermal and sound insulation



FEBRUARY 2024

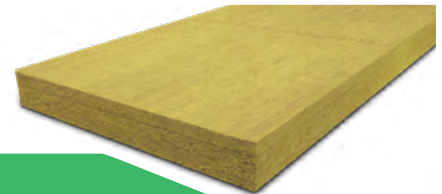
Looking for insulation solutions that are energy saving and fire-resistant with soundproofing properties?

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.



EQUUS SOPREMA SOPRAROCK M MINERAL WOOL



SOPRAROCK M is a high-performance range of rigid stone wool panels for thermal and sound insulation. Thanks to its multipurpose properties, SOPRAROCK M can be used for curtain walls, double-skin metal roofs, drywall partitions, and ceilings.

SOPRAROCK M is designed to be used in conjunction with the EQUUS SOPREMA SOPRASEAL STICK VP air barrier membrane system for walls to create a fully insulated exterior wall assembly. This significantly improves thermal performance of the building by minimising thermal bridging and creating a continuous thermal barrier. Heat transfer is reduced, energy efficiency is improved, and indoor temperatures are stabilised.

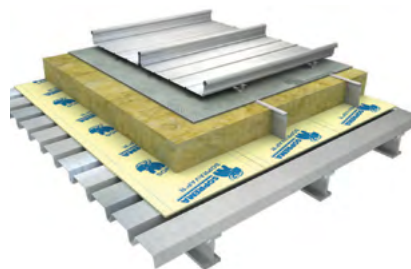
Exterior insulation also mitigates the risk of condensation within the wall assembly, addressing potential moisture-related issues like mould growth. Air tightness contributes to energy savings, and the placement on the exterior allows for design flexibility and an additional layer of protection for the building.

Key Benefits:

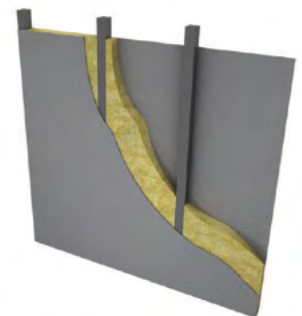
- Provides thermal resistance sufficient for H1 Energy Efficiency
- Fire resistance
- Dimensional stability
- Rot-proof
- Water-repellent
- Provides long-term energy savings
- Acoustic properties



WALL SYSTEM BUILDUP



DOUBLE-SKIN METAL ROOF



DRYWALL PARTITION



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

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 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.



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

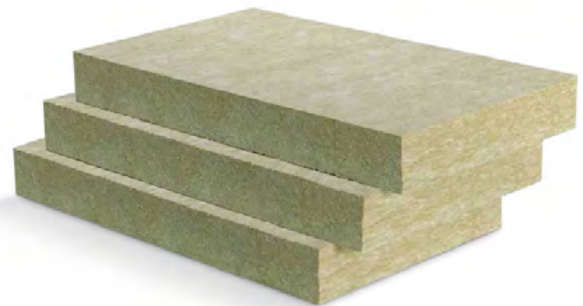
The non-directional structure of SOPRAROCK M panel fibers dampens ambient noise and provides a more comfortable and calm environment.

DIMENSIONS

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

R-VALUES

THICKNESS (mm)	R-VALUES
60	1.75
80	2.35
100	2.90
120	3.50
140	3.75



Equus SOPREMA Technical Support:

- Project specific specifications and details
- Condensation risk analysis for warm roof systems
- Wind uplift study for warm roof systems
- On-site quality assurance
- Nationwide network of Certified Applicators
- Warranties available

WHO ARE WE?

Equus Industries provides technical waterproofing solutions for Architects, Engineers, Property Managers, and Contractors in the building industry. One system does not fit all.

Equus can provide complete solutions, systems, specifications, technical support and warranties.

Equus is the Authorised Distributor for SOPREMA in New Zealand. SOPREMA was founded in 1908 in France and has over 100 factories worldwide producing waterproofing materials and thermal insulation.



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