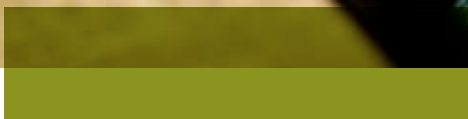




FABROCK™

Versatility and quality - customized for you.



Facing

ROCKWOOL works with fabrication partners to provide a variety of facing options to meet the aesthetic or functional needs of your application.

Please contact us for a complete listing of options and additional technical information related to these materials.



The ROCKWOOL Difference

ROCKWOOL stone wool insulation is made from Basalt rock and recycled material to create high quality products with superior performance. Stone fibers occur naturally as a byproduct of volcanic activity but in its manufactured state, stone wool combines the power of rock with the characteristics of typical fibrous insulation. ROCKWOOL stone wool insulation has unparalleled fire resistance, sound absorbency and thermal protection properties, making it an ideal choice to include in your product.

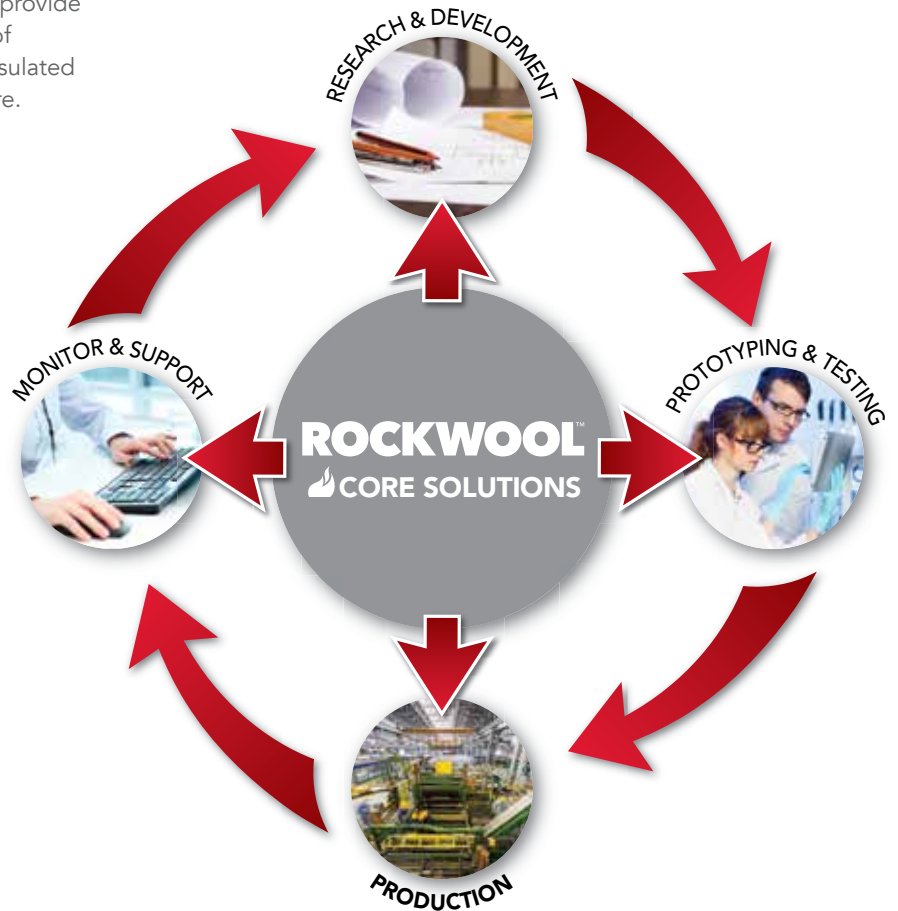
ROCKWOOL's Core Solutions team works in partnership with fabricators and Original Equipment Manufacturers to provide technologically advanced products for a wide range of industries like Fire/Acoustic Doors, Office Interiors, Insulated Packaging, Appliance, Transportation, HVAC and more.

The Core Solutions business at ROCKWOOL recognizes that every industry has different requirements and has created a more versatile product line to specifically service a variety of fabrication and manufacturing applications.

With world class technology and stringent process controls in place, our goal is to work with our customers to consider the use of the product and offer the option specific to the OEM application.



Choose from our product line or work with our experienced Core Solutions Team and Technical Innovations Group to create a customized solution for your specific OEM application.



FABROCK™

The FABROCK™ series of ROCKWOOL products is engineered specifically to stand up to the rigors of fabrication. FABROCK™ comes in a variety of formats, densities and dimensions, making it easy to cut, bend, split, wrap or compress. Choose from our versatile line of established FABROCK™ products or work with our Core Solutions experts to create a custom solution for high quality performance components before, during and after fabrication.

Fabrication

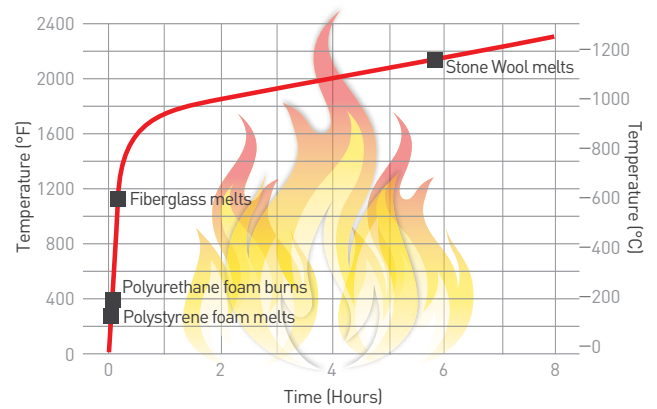
ROCKWOOL and its network of third party fabrication services offer customers the opportunity to customize material to fit the application. Offering specialty sizes, die cutting, skiving and more, ROCKWOOL will work with you to save you time and money with products that are specifically engineered for your application.



Fire Resistant

A key feature of ROCKWOOL stone wool insulation is its fire resistance. FABROCK™ is non-combustible and will not develop smoke or promote flame spread, even when directly exposed to fire. FABROCK™ resists temperatures up to approximately 1177°C (2150°F) which is hotter than most fires ever reach.

Temperature Development in a Standard Fire (ASTM E119)



Fire Performance

Product	Specification	Test	Result
FABROCK™ 30, 60, 120, HD, Wrap, DD, Batt	CAN/ULC S114	Test for Non-Combustibility	Non-Combustible
FABROCK™ 30, 60, 120, HD, Wrap, DD, Batt	ASTM E84 (UL 723)	Surface Burning Characteristics	Flame Spread = 0, Smoke Developed = 0
FABROCK™ 30, 60, 120, HD, Wrap, DD, Batt	CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0, Smoke Developed = 0
FABROCK™ Batt	CAN/ULC S129	Smolder Resistance	0.09%



Water Repellent

ROCKWOOL stone wool insulation does not absorb water or hold moisture. It repels and drains water away from the product and will completely dry out while maintaining the original integrity of the product. It does not rot, corrode, sag, lose its shape, or promote fungi and bacterial growth.



Moisture Resistance

Product	Specification	Test	Result
FABROCK™ 30, 60, 120, HD, DD, Wrap, Batt	ASTM C1104	Moisture Sorption	< 1.0%
FABROCK™ 30, 60, 120, HD, DD, Wrap, Batt	ASTM E96	Water Vapor Transmission, Desiccant Method	>10 Perm
FABROCK™ HD	ASTM C209	Water Absorption	< 1.0%

Moisture Resistance

Product	Specification	Test	Result
FABROCK™ 30, 60, 120, HD, DD, Wrap, Batt	ASTM C1338	Determination of Fungi Resistance - Mold Growth	Passed - Zero Growth



Sound Absorbent

The unique non-directional structure of ROCKWOOL stone wool insulation is more dense than traditional insulations. This effectively reduces airflow and, essentially, sound transmissions. Higher air flow resistivity means better sound attenuation. FABROCK™ is ideal for sound dampening, across a wide range of frequencies.

FABROCK™ Batt – Acoustical Performance

ASTM C423 — CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.0"	0.14	0.25	0.65	0.90	1.01	1.01	0.70
1.5"	0.18	0.44	0.94	1.04	1.02	1.03	0.85
2.0"	0.28	0.60	1.09	1.09	1.05	1.07	0.95
3.0"	0.52	0.96	1.18	1.07	1.05	1.05	1.05
4.0"	0.86	1.11	1.20	1.07	1.08	1.07	1.10

FABROCK™ 30 – Acoustical Performance

ASTM C423 — CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.5"	0.18	0.44	0.94	1.04	1.02	1.03	0.85
2.0"	0.28	0.60	1.09	1.09	1.05	1.07	0.95
3.0"	0.52	0.96	1.18	1.07	1.05	1.05	1.05
4.0"	0.86	1.11	1.20	1.07	1.08	1.07	1.10

FABROCK™ LT – Acoustical Performance

ASTM C423 — CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.0"	0.08	0.23	0.66	0.93	1.02	1.02	0.70
1.5"	0.15	0.47	0.98	1.06	1.02	1.02	0.90
2.0"	0.26	0.68	1.14	1.13	1.06	1.07	1.0
3.0"	0.62	1.03	1.20	1.10	1.08	1.10	1.10
4.0"	1.07	1.01	1.07	1.06	1.07	1.06	1.05

FABROCK™ Wrap – Acoustical Performance

ASTM C423 — CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.5"	0.15	0.47	0.98	1.06	1.02	1.02	0.90
2.0"	0.26	0.68	1.14	1.13	1.06	1.07	1.00
3.0"	0.62	1.03	1.20	1.10	1.08	1.10	1.10
4.0"	1.07	1.01	1.07	1.06	1.07	1.06	1.05

FABROCK™ DD – Acoustical Performance

ASTM C423 — CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
3.0"	0.72	0.93	0.88	0.84	0.90	0.97	0.90

FABROCK™ 60 – Acoustical Performance

ASTM C423 — CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.5"	0.19	0.55	1.03	1.06	1.02	1.01	0.90
2.0"	0.26	0.71	1.14	1.09	1.04	1.03	1.00
3.0"	0.65	0.94	1.13	1.07	1.06	1.04	1.10
4.0"	0.92	1.04	1.07	1.07	1.07	1.08	1.05

FABROCK™ 120 – Acoustical Performance

ASTM C423 — CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.5"	0.18	0.44	0.94	1.04	1.02	1.03	0.85
2.0"	0.28	0.60	1.09	1.09	1.05	1.07	0.95
3.0"	0.52	0.96	1.18	1.07	1.05	1.05	1.05
4.0"	0.86	1.11	1.20	1.07	1.08	1.07	1.10

FABROCK™ HD – Acoustical Performance

ASTM C423 — CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.0"	0.03	0.41	0.85	0.89	0.89	0.97	0.80
2.0"	0.39	0.73	0.81	0.86	0.97	0.95	0.85
4.0"	0.61	0.69	0.79	0.87	0.96	0.97	0.85



ROCKWOOL CORE SOLUTIONS in Action

For over 20 years Perdue Acoustics has specialized in controlling sound around the world. As a leader in acoustic panels, they turn to ROCKWOOL CORE SOLUTIONS as the key supplier to achieve strong acoustic benefits.

"Perdue Acoustics will only use ROCKWOOL to supply our very specialized core product! ROCKWOOL was the ONLY company with the manufacturing process and expertise capable of meeting the extremely high demands of what we needed. They worked it out, engineered it out and 'brought home the gold' in everything we've ever asked them to do."

Jay Perdue
President and Owner of Perdue Acoustics

At the ROCKWOOL Group, we are committed to enriching the lives of everyone who comes into contact with our solutions. Our expertise is perfectly suited to tackle many of today's biggest sustainability and development challenges, from energy consumption and noise pollution to fire resilience, water scarcity and flooding. Our range of products reflects the diversity of the world's needs, while supporting our stakeholders in reducing their own carbon footprint.

Stone wool is a versatile material and forms the basis of all our businesses. With approx. 10,500 passionate colleagues in 38 countries, we are the world leader in stone wool solutions, from building insulation to acoustic ceilings, external cladding systems to horticultural solutions, engineered fibres for industrial use to insulation for the process industry and marine & offshore.

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