

# Rockboard® 40

Multipurpose board insulation



ROCKWOOL Rockboard® 40 is a multi-purpose stone wool insulation board used in walls, ceilings and floors for acoustic and thermal applications.

Rockboard® 40 is noncombustible and fire resistant, and will not produce toxic smoke or promote flame spread, even when exposed directly to a fire.

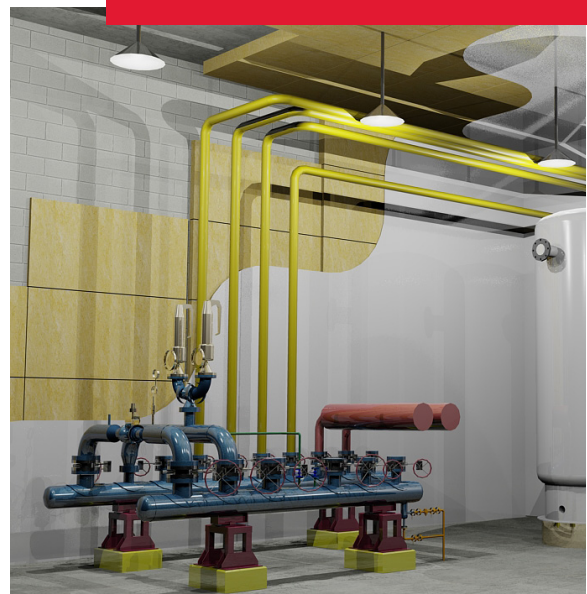
Rockboard® products also maintain dimensional integrity and, as a result, will not slump, shrink or expand with temperature.

Rockboard® products are available to meet a variety of application requirements. From mechanical rooms to sound studios to utility rooms, these products add a high-performance barrier to noise and fire.

**Learn more at [rockwool.com/rockboard](https://rockwool.com/rockboard)**

## Superior acoustic properties

Excellent sound-dampening characteristics make Rockboard® products ideal for buffering the noise from mechanical rooms.



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### Technical data sheet

Board Insulation 07210\* • Board Insulation 07 21 13\*\*  
Acoustic Board Insulation 09 81 13\*\*

**ROCKWOOL Rockboard® 40 is a semi-rigid, multi-purpose stone wool insulation board.**

	Performance	Test Standard
Compliance	Mineral fiber block and board thermal insulation - Type IVA compliant	ASTM C612
Reaction to fire	Flame spread index = 0; Smoke developed index = 0 Flame spread rating = 0; Smoke developed classification = 0 Determination of non-combustibility of building materials - Non-combustible Hot surface performance - 1200 °F	ASTM E84 (UL 723) <sup>1</sup> CAN/ULC S102 CAN/ULC S114 ASTM C411
Density	Actual density - 4.0 lbs/ft <sup>3</sup> (64 kg/m <sup>3</sup> )	ASTM C303
Dimensional stability	Linear shrinkage - <1 % @ 1200 °F	ASTM C356
Corrosion resistance	Stress corrosion cracking tendency of austenitic stainless steel - Passed Corrosiveness to steel - Passed	ASTM C795 ASTM C665
Thermal resistance	R-Value / inch @ 75 °F      4.2 hr.ft <sup>2</sup> .F/Btu RSI value / 25.4 mm @ 24 °C      0.74 m <sup>2</sup> K/W	ASTM C518 (C177)
Reaction to moisture	Water vapor sorption - 0.03 wt%	ASTM C1104
Compressive resistance	90 psf (4.3 kPa) @ 10 % compression	ASTM C165
Air erosion	Maximum air velocity 1000 fpm (5.08 m/s)	UL 181
Thickness Dimensions	Product is available in 1" through 5" offerings (25.4 mm - 127 mm) 24" x 48" (610 mm x 1219 mm)	

Acoustical performance	Thickness	NRC	SAA	Sound absorption coefficients						ASTM C423
				125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
				1.0"	0.75	0.72	0.09	0.23	0.68	
1.5"	0.90	0.91	0.15	0.49	1.01	1.09	1.06	1.03		
2.0"	1.00	1.01	0.25	0.69	1.14	1.12	1.05	1.13		
3.0"	1.10	1.12	0.63	1.01	1.24	1.10	1.07	1.16		
4.0"	1.10	1.14	0.93	1.10	1.16	1.11	1.08	1.18		
5.0"	1.20	1.19	1.09	1.25	1.24	1.13	1.11	1.09		



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<sup>1</sup> Meets Class A requirements for flame spread and smoke-developed indices as per IBC.  
\* Master Format 1995 Edition \*\* Master Format 2004 Edition.

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8024 Esquesing Line, Milton, ON L9T 6W3  
Tel: 800-265-6878 • Fax: 800-991-0110  
rockwool.com