

PYROTHERM I-SERIES BOARDS



INSULATING BOARDS

Pyrotherm I-series boards are low density hydrous calcium silicate boards which features exceptional strength and low thermal conductivity. Inorganic and incombustible, I-series boards also contains no RCF's.

AVAILABILITY

Sheet Size: 1.22 x 2.44 m (4 x 8 ft) or custom cut to specification.

Thickness:

I-14, I-28

25, 38, 51, 64, 76 mm

1.0, 1.5, 2.0, 2.5, 3.0 inch

I-40

13, 19, 25, 38, 51 mm

0.5, 0.75, 1.0, 1.5, 2.0 inch

ADVANTAGES

- Exceptional strength
- Asbestos-free
- Contains no RCF's
- Easily cut to specifications
- Composed of incombustible, inorganic material
- Can withstand temperatures up to 1093°C (2000°F)

APPLICATIONS

- Thermal insulation
- Pot bake out panels
- Backup insulation

	Density	Flex Strength	Compressive Strength	Max Service Temperature	Thermal Conductivity			
					°C	°F	W/(m·K)	BTU-in/ft ² /hr°F
I-14	288 kg/m ³ 18 lb/ft ³	1793 kPa 260 psi	3103 kPa 450 psi	982°C 1800°F	93	200	0.078	0.54
					204	400	0.088	0.61
					316	600	0.097	0.67
					427	800	0.105	0.73
I-28	449 kg/m ³ 28 lb/ft ³	3792 kPa 550 psi	6206 kPa 900 psi	982°C 1800°F	93	200	0.088	0.61
					204	400	0.095	0.66
					316	600	0.105	0.73
					427	800	0.115	0.80
I-40	641 kg/m ³ 40 lb/ft ³	6895 kPa 1000 psi	13,790 kPa 2000 psi	927°C 1700°F	93	200	0.094	0.65
					204	400	0.101	0.70
					316	600	0.108	0.75
					427	800	0.115	0.80

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

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