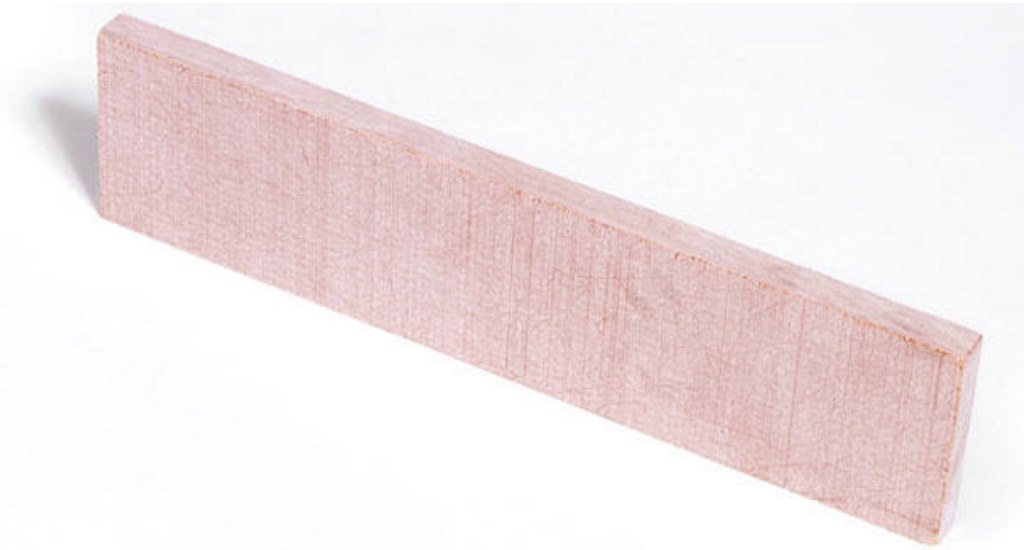


Thermalate Insulation Board



H330 Insulation Board (550F)

Thermoset insulation material with exceptional property retention at operating temperatures up to 550F. Demonstrating superior compressive strength at high temperature, this grade provides extended use and greater maintenance and energy savings. Standard color is orange.

Insulation board standard tolerance is +/- .004".

Insulation board is available sanded to a tolerance of +/- .002".

Sheet Sizes:

4ft X 8ft

3ft X 6ft

4ft X 5ft

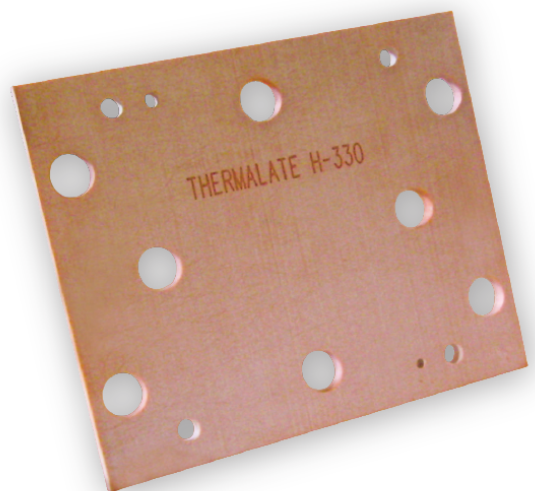
Custom Sizes and Cut To Print Are Available

Thickness' Available

1/4" 3/8"

3/4" 1.0"

Up to 2.0" Available



Mica Insulation Board



Mica Insulation Board (1000C)

Mica insulation is an excellent alternative to asbestos insulation, with operating temperatures up to 1000C. Mica has good resistance to high temperatures and chemicals, while keeping a low thermal conductivity.

Insulation board standard tolerance is +/- 5%

Sheet Sizes:

4ft X 8ft
3ft X 6ft

Custom Sizes and Cut To Print Are Available

Thickness' Available

1/4"	3/8"
3/4"	1.0"

Up to 3.0" Available



TYPICAL PROPERTIES*

	ASTM	H320	H330
Thermal Conductivity			
(K Factor) BTU/Hr/Ft ² In°F	D-177	1.75	1.85
Coefficient of Thermal Expansion In./In./°C	D-696		
Moisture Absorption, % 3/8" Sanded	D-570	0.18	0.20
Impact Strength Izod Ft. Lbs./in.notch	D-256	10	13
Flexural Strength, PSI	D-790	23,000	22,800
Maximum Service Temperature		450°F	550°F
Compression Strength, PSI, Cond. A	D-696	44,300	44,000
@300°F		23,400	31,700
@400°F		16,100	30,600
@500°F		N/A	26,200

Comparative Properties of Press Insulation Materials*

Insulation Material	Cost Factor	Compression Strength, PSI	Moisture Absorption, %	K Factor	Maximum Operating Temp, °F	Impact Strength
Concrete Asbestos	1.0	14,000	22.00	4.50	600	0.60
Calcium Silicate	1.2	2,400	85.00	0.88	1,200	0.25
H320	2.9	44,300	0.18	1.75	450	10.0
H330	3.5	44,000	0.20	1.85	550	13.0
G-3 (Reinforced Phenolic)	6.0	50,000	1.50	2.15	350	6.50
G-11 (Reinforced Epoxy)	7.5	60,000	0.10	2.03	320	7.0
G-7 (Reinforced Silicone)	15.0	45,000	0.15	2.20	460	8.50
Mica	16.5	60,000	2.77	0.87	1,000	-

*Unless otherwise indicated, all properties published are based on tests performed on standard ASTM test samples and according to ASTM test methods. Values shown are for test samples made from production materials and they are believed to be conservative. No warranty is to be construed, however. In fabricated or molded form, parts may vary considerably from this standard test data. Where specific or unusual applications arise, tests should be made on actual parts, and test procedures agreed upon between Acrolab Ltd. and the customer.