



Thermafiber® Industrial Board Mineral Wool Insulation



Description

Thermafiber® Industrial Board is an economical, rigid, mineral fiber board insulation that offers excellent thermal and acoustical performance in both hot and cold applications. It conserves energy, maintains process temperatures, provides personnel protection, prevents condensation, and reduces noise emission and transmission. It is available in nominal densities from 4 to 15 lb./cu. ft and is suitable for temperatures up to 1200°F (650°C). On initial start-up only, heat rise should not exceed 15°F per minute to allow binder to dissipate without excessive temperature rise. Thermal conductivity is not affected.

Features

- Used in continuous service up to 1200°F (650°C)
- Easily fabricated and installed
- Non-combustible
- Excellent thermal performance and resiliency
- Dimensionally stable at elevated temperatures
- Non-corrosive
- Minimum 70% recycled content¹

Density

Product	Nominal	Actual
Industrial Board 40	4.0 pcf	3.5 pcf
Industrial Board 60	6.0 pcf	4.5 pcf
Industrial Board 80	8.0 pcf	6.0 pcf
Industrial Board 100	10.0 pcf	8.0 pcf
Industrial Board 120	12.0 pcf	10.0 pcf
Industrial Board 150	15.0 pcf	11.0 pcf

Standards, Codes Compliance

ASTM E 136	Non-Combustible as defined per NFPA Standard 220
ASTM C 356	Linear shrinkage <2% @ 1200° F (650° C)
ASTM C 612	Industrial Board 40: Type IA, IB, II, III, IVA Industrial Board 60: Type IA, IB, II, III, IVA, IVB Industrial Board 80: Type IA, IB, II, III, IVA, IVB Industrial Board 100: Type IA, IB, II, III, IVA, IVB Industrial Board 120: Type IA, IB, II, III, IVA, IVB Industrial Board 150: Type IA, IB, II, III, IVA, IVB
ASTM C 795	Complies
MIL-IPFD-24244	Meets applicable analysis for austenitic stainless steel
NRC 1.36	Complies
ASTM C 1338	Fungi Resistant
CAN/ULC S114	Industrial Board 40: Complies Industrial Board 60: Complies Industrial Board 80: Complies
ASTM E84/CAN/ULC S102	Flame Spread 0, Smoke Developed 0
ASTM C 665	Complies

Technical Data

Thermal Conductivity ² tested to ASTM C 177									
K-factor – Btu • in/hr • ft ² • °F									
Product	Nominal Density	75°	100°	200°	300°	400°	500°	600°	700°
Industrial Board 40	4.0	0.24	0.26	0.34	0.42	0.52	0.63	0.76	0.92
Industrial Board 60	6.0	0.22	0.24	0.29	0.35	0.42	0.50	0.59	0.71
Industrial Board 80	8.0	0.23	0.24	0.29	0.35	0.42	0.50	0.59	0.71
Industrial Board 100	10.0	0.23	0.24	0.28	0.32	0.38	0.44	0.51	0.60
Industrial Board 120	12.0	0.23	0.24	0.29	0.33	0.38	0.44	0.52	0.60
Industrial Board 150	15.0	0.24	0.25	0.28	0.32	0.36	0.41	0.46	0.52

2. Degrees represent mean temperature

Maximum Hot Surface Temperature One Side (enclosed panel) per ASTM C 411		
	Nominal Density	Maximum ° F
Industrial Board 40	4.0 pcf	1,200
Industrial Board 60	6.0 pcf	1,200
Industrial Board 80	8.0 pcf	1,200
Industrial Board 100	10.0 pcf	1,200
Industrial Board 120	12.0 pcf	1,200
Industrial Board 150	15.0 pcf	1,200

Availability

For product availability, please contact your local Owens Corning Area Sales Manager.

Installation

Thermafiber, Inc. recommends mechanical attachment of Industrial Board products unless in an enclosed panel. Please contact your sales representative or the Thermafiber Insolutions® technical department for further questions.

Environmental and Sustainability

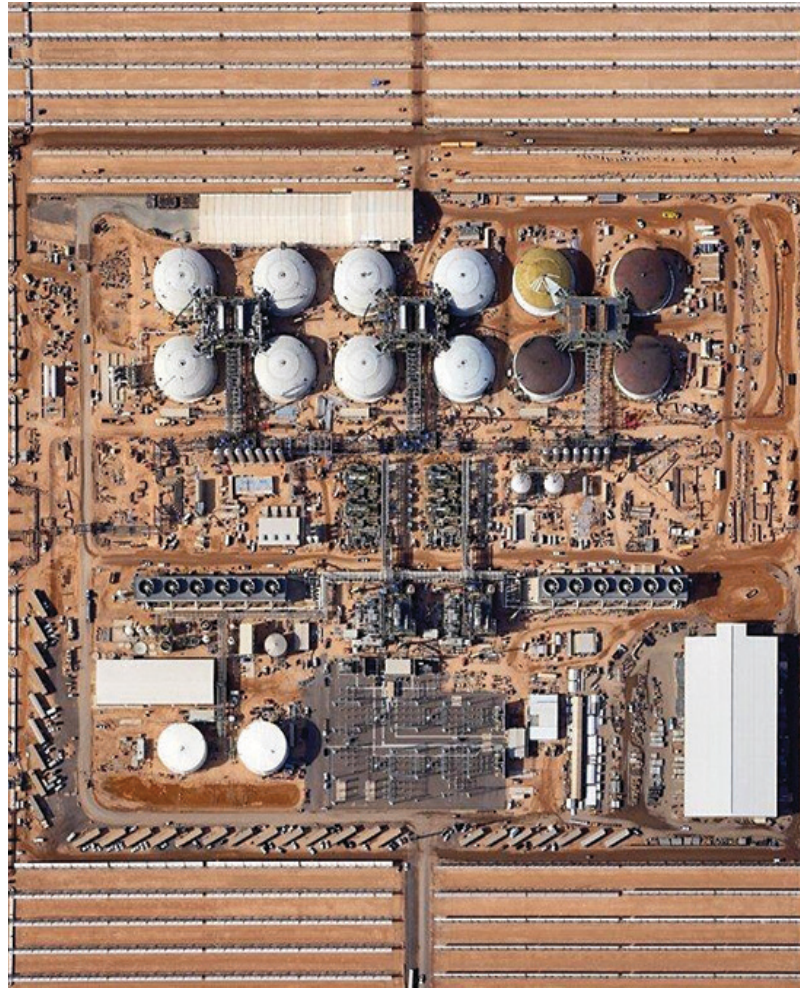
Owens Corning is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at www.owenscorning.com.

Notes

For additional information refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

Submittal Approvals

Job Name _____
Contractor _____
Date _____



Thermafiber® Industrial Board is used operating at continuous service temperatures such as boilers, furnaces, vessels, tanks, and precipitators.



Made in the USA



Certifications and Sustainable Features

- ¹ Certified by ICC-ES to contain a minimum of 70% recycled content.
- Environmental Product Declaration (EPD) has been certified by UL Environment. For more information visit ul.com/epd.
- Material Health Certificate for unfaced products from Cradle to Cradle Products Innovation Institute. For more information visit c2ccertified.org.



Thermafiber

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