



THERMAFIBER® K-FAC® 19 HIGH-TEMPERATURE BOARD

Features

- Used at service temperatures up to a maximum of 1,900°F (1,038°C)
- Easily fabricated and installed
- Moisture repellent
- Noncorrosive
- High density and high compressive strength
- Standard sizes in thickness of $\frac{3}{4}$ -inch and up to 4-inch boards
- Custom sizes available upon request
- Packaged in cartons
- 55% recycled content

Standards, Code Compliance

- ASTM E84, Flame Spread 25, Smoke Developed 5
- ASTM C612, Type V

Physical Properties

NOMINAL DENSITY – PCF ¹	MINIMUM COMPRESSIVE STRENGTH – PSF AT 10% COMPRESSION	LINEAR SHRINKAGE, MAXIMUM PER 24 HOURS AT 1,900°F ²	MODULUS OF RUPTURE – PSI MINIMUM
18.5	4,800	2.50%	95

1 Density tolerance: +/- 1lb/cu. ft.

2 Not for use at service temperatures over 1,900°F.

Thermafiber K-FAC® 19 high-temperature board provides high-strength stability and excellent workability. It is composed of mineral fiber and selected mineral additives. The density allows K-FAC® 19 to meet a variety of installation requirements. An inorganic binder system allows K-FAC® 19 to be used at service temperatures to a maximum of 1,900°F on the hot surface of the enclosed panel, not to be subjected to direct flame impingement as a hot face material. K-FAC® 19 has a special additive that provides water repellency so that the board will not absorb moisture from adjacent refractory materials.

Thermal Conductivity³

Per ASTM C177

K-FACTOR – (BTU • IN/HR • FT² • °F)

400°	500°	600°	700°	800°	900°
0.46	0.51	0.56	0.64	0.71	0.80

3 Degrees represent mean temperature.

Availability

THICKNESS ⁴	WIDTHS ⁵	LENGTHS ⁵
$\frac{3}{4}$ "	6", 12", 24"	36", 48"
1"-4" ⁶	6", 12", 24", 36"	36", 48"

Material can be cut quickly and easily with a knife or saw for fabrication and application at the job site. Attachment is typically by impaling on pins or studs. Fabricated boards with off-white color

An organic binder that will dissipate above approximately 475°F is used for low-temperature handling. On initial startup, heat rise should not exceed 15°F per minute to allow the binder to dissipate without excessive temperature rise. This will occur only on the first startup and will not adversely affect the insulation value.

4 Thickness tolerance: non-laminated +/- 1/64 inch, laminated +/- 1/32 inch.

5 Width & length tolerance: non-laminated +/- 1/32 inch, laminated +/- 1/32 inch. (dimensions subject to no greater than +/- $\frac{1}{8}$ -inch offset on multiple plies).

6 Available in $\frac{1}{2}$ -inch increments. Thicknesses over 1 inch are laminated.

Product Options

- Recycled Content: Standard Fiber 55%

K-FAC® 19

THICKNESS (INCHES)	WIDTH (INCHES)	LENGTH (INCHES)	BOARD FT/PIECE	PIECES/CTN	CTN/PALLET
0.75	12	36	2.3	20	20
	24	36	4.5	8	14
	24	48	6.0	8	14
	36	48	9.0	*N/A	
	49	73	18.6	*N/A	
1	12	36	3.0	16	20
	24	36	6.0	6	14
	24	48	8.0	6	14
	36	48	12.0	*N/A	
1.5	6	36	2.3	20	20
	12	36	4.5	10	20
	24	36	9.0	4	14
	24	48	12.0	4	14
	36	48	18.0	*N/A	
2	6	36	3.0	16	20
	12	36	6.0	8	20
	24	36	12.0	3	14
	24	48	16.0	3	14
	36	48	24.0	*N/A	
2.5	12	36	7.5	6	20
	24	36	15.0	2	14
	24	48	20.0	2	14
	36	48	30.0	*N/A	
3	12	36	9.0	5	20
	24	36	18.0	2	14
	24	48	24.0	2	14
	36	48	36.0	*N/A	
4	12	36	12.0	4	20
	24	36	24.0	1	14
	24	48	32.0	1	14
	36	48	48.0	*N/A	

Availability of sizes will ship from Hebron and/or Grove City, OH.

Pallet size of 36"x48" or 48"x48" - 24 to 26 pallets per 53' truck load. *N/A Sizes only come on pallets.

Custom thicknesses and sizes available. Contact your sales representative.

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.



Made in the USA

Disclaimer of Liability

Thermafiber, Inc. shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Thermafiber, Inc. liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing within thirty (30) days from date it was or reasonably should have been discovered.

Notes

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

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