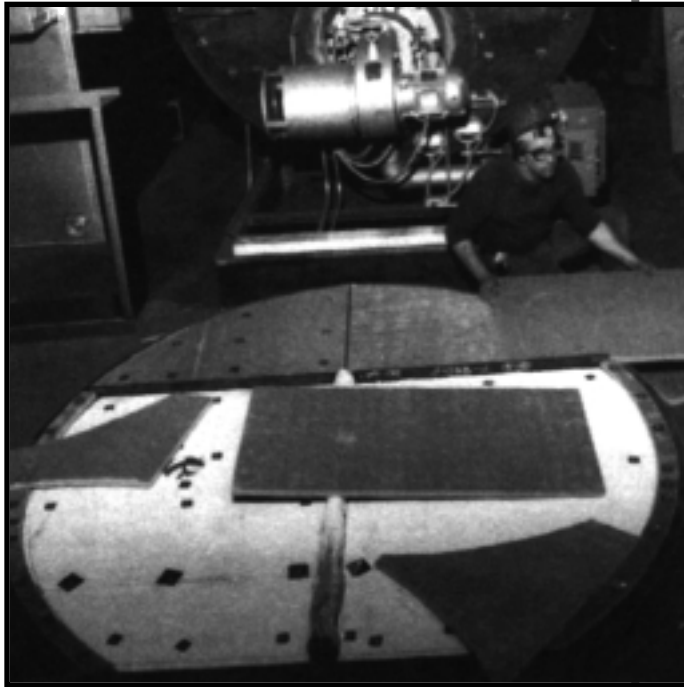


K-FAC® 19

HIGH-TEMPERATURE BOARD

STRONG • DURABLE • EASILY APPLIED • NON-ASBESTOS

**For insulation of
high-temperature ovens,
furnaces, kilns, vessels**



Low-Cost, Effective Insulation

K-FAC 19 High-Temperature Board provides high strength and excellent workability. It is composed of mineral fiber and selected mineral additives. An organic binder that will dissipate above approximately 475°F is used for low-temperature handling. On initial start-up, 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. An inorganic binder system allows K-FAC 19 High-Temperature Board to be used at service temperatures to a maximum of 1900°F on the hot surface of the enclosed panel only. Not to be subjected to direct flame impingement as a hot face material. The density allows K-FAC 19 High-Temperature Board to meet a variety of installation requirements.

Versatile Uses

Widely used in applications on precipitators, dryers, ducts and breeching, utility boilers, furnaces, kilns, etc., where high-temperature insulating materials are required.

Rapid Application

Exceptional strength and easy handling allow use of large-size boards to reduce labor costs. Material can be cut quickly by hand with knife or saw for fabrication and application on the job. Attachment is by impaling on pins or studs.

Noncorrosive

K-FAC 19 High-Temperature Board will not cause or sustain corrosion of steel or aluminum finishes as tested per HH-1-558B.

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Physical Properties

Physical Data

Nom. density—pcf ⁽¹⁾	Minimum compressive strength—psf at 10% compression	Linear shrinkage, max./24 hr. at 1900°F ⁽²⁾	Modulus of rupture—psi min.
18.5	4,800	2.50%	95

(1) Density tolerance: ± 1 lb./cu.ft.

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

Thermal Conductivity⁽¹⁾ per ASTM C177

K-factor—Btu - in./hr. - ft. ² - °F					
400°F	500°F	600°F	700°F	800°F	900°F
0.46	0.51	0.56	0.64	0.71	0.80

(1) Degrees represent mean temperature.

Specification Compliance

Meets ASTM C612-93, Type V

Sizes and Availability⁽¹⁾

Thickness	Sizes Available ⁽²⁾
1/2"	24" x 36", 36" x 48"
3/4"	6, 12, 24" x 36"
1"-4" ⁽³⁾	6, 12, 24" x 36"; 24" x 48"

- (1) Manufactured in all sizes in Greenville, MS. Available in selected standard sizes from Wabash, IN in combination shipments with Thermafiber Insulation Products.
- (2) Thickness tolerance: non-laminated ± 1/64", laminated ± 1/32". Width and length tolerance: non-laminated ± 1/32", laminated ± 1/32" (dimensions subject to no greater than ± 1/8" offset on multiple plies).
- (3) Thicknesses from 1" to 4" in 1/2" increments. Thicknesses over 1" are laminated.

Surface Burning Characteristics:

Flame Spread 25

Smoke Developed 5, (Per ASTM E-84)

The information presented herein represents typical or average values obtained by ASTM or other standard methods. The values will vary due to normal manufacturing variations. The person using this product must determine its suitability for a particular application.

Safety First! Follow good safety and industrial hygiene practices during handling and installing of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

For further information on these products including non-standard sizes, contact Thermafiber at the sales offices listed below.

NOTICE: We 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. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

Thermafiber[®]
THE NAME IN MINERAL WOOL™

www.thermafiber.com

3711 West Mill Street Wabash, IN 46992
Tel: (888) 834-2371 (219) 563-2111 Fax: (800) 294-7076

2301 Taylor Way Tacoma, WA 98421-4397
Tel: (800) 426-8127 (253) 383-1537 Fax: (800) 447-0846