FBX 1900 BLOCK
TECHNICAL DATA SHEET

DESCRIPTION AND APPLICATION: FBX 1900 Block is composed of high temperature mineral fibers bonded together with a special combination of organic and inorganic binders. It is recommended for use in applications requiring a high temperature rating and/or greater residual strength than available in organic bonded board insulations. Its low rate of moisture absorption allows placement of castable refractories in direct contact without degradation. Typical uses of FBX 1900 Block includes direct or refractory back-up installation in ovens, furnaces, kilns, power generation equipment and a wide variety of process equipment. FBX 1900 Block is easily impaled or cut with a knife or saw to fit irregular surfaces.

SERVICE: Recommended for continuous service at temperatures up to 1900^{O}F. Melt point exceeds 2000^{O}F.

THERMAL PERFORMANCE
(ASTM C 177)

MEAN TEMPERATURE °F	300	400	500	600	700	800	900	1000
'k' FACTOR	.37	.43	.49	.57	.65	.72	.77	.82

PHYSICAL PROPERTIES

Service Temperature Limit ^{O}F.....1900	**Fire Resistance.....**Incombustible
Density, Lbs./Cu.Ft. (Nominal).....16	**Modulus of Rupture, Lbs./Sq.In.....**40
Misture Absorption..... Non-Hygroscopic	**Compressive Strength, Lbs./Sq.Ft.(@10%).....**2000
Corrosion..... Does Not Cause or Accelerate	**Linear Shrinkage @ 1900^{O}F.....**Less Than 4%

CHEMICAL COMPOSITION: FBX 1900 Block is approximately 84% high temperature mineral fiber, 16% binder and additives. The approximate chemical compositions of the mineral fiber is as follows:

COMPONENT	WEIGHT %
Silicon Dioxide	40.6
Alumina Oxide	13.1
Magnesium Oxide	8.9
Ferric Oxide	0.7
Calcium Oxide	31.0
Water in Clay	1.0 - 1.2
Organic	3.75 - 4.5

STANDARD SIZES: Available in 1/2" to 5" thicknesses in 1/2" increments, 6", 12" and 24" widths and 18" and 36" lengths, (tolerances +/- 1/8”).

SPECIFICATION COMPLIANCE: Non-comustible per ASTM E 136. Non-corrosive. Meets ASTM C 612, Type V. Manufactured to ASTM C 795 and MIL-I-24244 if requested. Linear Shrinkage (length) 2.1% typical when tested at 1900^{O}K soaking heat ASTM C 356.

See Fibrex 2000 Series Industrial Insulations Brochure for a description of our complete line of insulation products.