

SUPEREX SG

Specification Data

GENERAL PROPERTIES

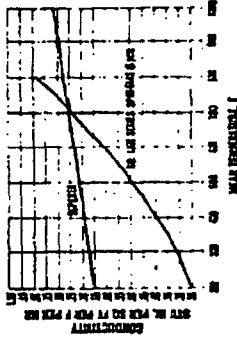
Composites of 2 1/2" Superex and 3/4" Ins. 1000 Series Sp-20-4242

Density (pcf) 18% Pvc in It

Linear Shrinkage (Expanded) 2.7% at 1900F

Maximum Service Temperature 1900F

THERMAL CONDUCTIVITY



COMPRESSIVE STRENGTH

Compressed Thickness (in.)	As Received	1500F	1800F	1900F
3.04	0	0	0	0
2.98	1.4	0.6	0.4	0.4
2.75	3.5	2.4	1.5	1.6
2.58	27.8	21.1	12.5	13.5
2.25	66.0	120.0	70.0	73.0

RECOVERY OF 3" SUPEREX SG AFTER COMPRESSION

Compressed Thickness (in.)	% Recovered	As Received	1500F	1800F	1900F
2.50	97	99	99	99	99
2.75	92	99	97	97	97
2.50	83	95	95	95	95

The above data are for Superex SG which is expanded in place and with accepted test methods and are subject to change. Check nearest J-M district office for more information.

35333-13

Johns-Manville

27 East 40th Street, New York, N.Y. 10016
Sales offices in principal cities

DN 311A 6-49

1960 in U.S.A.

Johns-Manville

PRODUCT INFORMATION

type: Block
temp limit: 1900F

J-M SUPEREX® block insulation

ADVANTAGES

DESCRIPTION: J-M Superex block insulation is composed of calcined diatomaceous silica blended with other insulating materials and bonded with asbestos fiber. These light weight, large size blocks will withstand temperatures up to 1900F with negligible shrinkage. Their unique combination of low conductivity and high stability at elevated temperatures provide excellent efficiency and long, maintenance-free service.

Ever since its introduction, Superex has demonstrated its versatility as a high temperature insulation. Today, for example, it economically insulates 90% of this country's hot blast stoves.

High Compressive Strength

Compresses only 1/8" (2" thickness) under a pressure of 85 lbs per square inch.

Low Conductivity at High Temperatures

Superex has a conductivity of .82 at 1000F mean temperature.

Low Heat Shrinkage

Has a linear shrinkage of only 2.7% at 1900F.

Dimensional Uniformity

Straight, true edges and close tolerances make possible snug joints.

Light Weight

Ideal for insulating movable high temperature equipment.

Large Size Blocks

Large 12" x 36" blocks speed application and reduce the number of joints.

AVAILABLE FORMS: Finished in flat or curved blocks in the following sizes: Flat or curved, 3" or 6" wide by 18" or 36" long. Flat only, 9" or 12" wide by 18" or 36" long. Thicknesses range from 1" to 6".

PLAINTIFF'S
EXHIBIT
JM-2292

Its are widely used for temperatures to 1900F in blast stoves, malms and smelting pits, petrochemical gas malms, and metal types.

35333-4