

Johns-Manville FINISHED PRODUCT SPECIFICATION	PRODUCT:	DIVISION	II 4322-12
	SUPEREX FURNACE BLOCKS (PLAIN)	SPEC NO.	432-4
	SUPEREX FURNACE BLOCKS (SILICATED)	PAGE NO.	4.

V. QUALITY REQUIREMENTS:

NOTE: Values determined on Superex Furnace Block (Plain) except as noted.

A. Density (lbs/cu. ft.)

Desired Maximum	-	21#
Maximum	-	27#

B. Modulus of Rupture (psi)

Minimum	-	60
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C. Abrasion Loss (percent)

1. 10 min.	-	60 maximum
2. 20 min.	-	70 maximum

D. Hardness (m.m. by Plastometer) As Received Plain Silicated

0.75 max. (avg. 5 samples)	0.4 max. (avg. 5 samples)
	0.5 max. (individual)

E. Change after Soaking Heat

1. Hardness (24 hrs. at 1900°F)	-	0.9 m.m. maximum
2. Loss in Weight (24 hrs. at 1900°F)	-	10% maximum

F. Linear Shrinkage (percent) (Tested on Unsilicated Block)

1. After 24 hrs. at 1900°F	1.5% average
	2.0% maximum

G. Magnesia Content - 6% optimum

VI. PACKAGING:

Cases or cartons. Cases when sawdust is used.

NOTE: Trapezoidal Blocks for American Brake Shoe Co. (4" thick x 6" x 5-1/8") shall be packaged 12 pieces per 11-5/8" x 12-1/2" x 36-1/4" carton.

For additional packaging information consult Packaging Specification Magnesia and Superex 432-5.

DEFENDANT'S
EXHIBIT

01-246

RETURN TO
J-M RESEARCH
FILE ROOM

X- INDICATES CHANGE —REASON: Change Hardness test from 4 hrs to 24 hrs.

AUTHORITY FOR CHANGE Correction

SUPERSEDES: Page 4 same specification issued 2/2/61

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FN.	RES. LAB.	E.F. Briggs	C.E. Ernst	A. Pocius	DATE ISSUED	6/4/62
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