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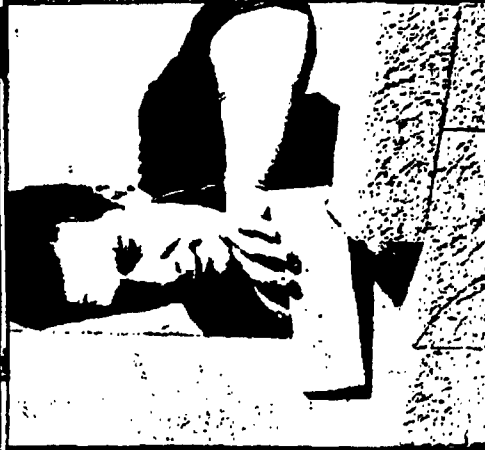
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LITHO IN U.S.A.

MADE IN U.S.A.

FINISHES & WEATHER
PROTECTING MATERIALS

MISCELLANEOUS



Johns-Manville

PRODUCT INFORMATION

type: Expansion
Joint Board
temp limit: 2300F

J-M RF EXPANSION JOINT BOARD

DESCRIPTION: J-M RF Expansion Joint Board is made of refractory fiber for service up to 2300F. Its resiliency and uniform density make it excellent for use as an expansion joint in industries ranging from petrochemical to metals - wherever heat is used with brick. In one simple operation, RF Expansion Joint Board provides the necessary spacing in the refractory construction plus the fiber to fill the joint. It fits tight, makes construction easy, and is rigid enough to build against.

AVAILABLE FORMS: RF Expansion Joint Board is available in 8 per and 14 per densities. In sizes up to 4' x 8' sheets. Thicknesses are from 1/4" to 1".

USES: Provides a permanent, resilient expansion joint in the refractory wall, floor or car top that lasts as long as the furnace lasts.

ADVANTAGES:

**High Heat
Resistance**

Will withstand continuous exposure to a full 2300F.

**Low Thermal
Conductivity**

Unusually low conductivity at high temperature due to opacity of basic fibers to infra-red radiation.

**Chemically
Stable**

Non-alkaline and chemically stable. Contains no corrosion-promoting agents.

Resilient

Resilient refractory fiber assures that expansion joint space will be completely filled.

**Strong and
Rigid**

Firm enough to provide excellent handling properties during installation, yet easily cut for accurate, tight fit.



Johns-Manville

22 East 40th Street - New York, N. Y. 10016

Sales Offices in Principal Cities

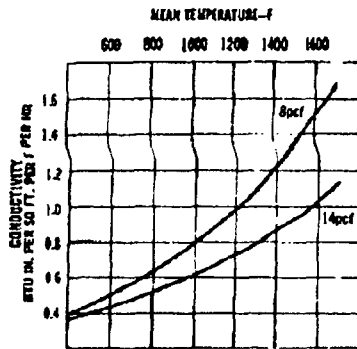
RF EXPANSION JOINT BOARD

Specification Data

PHYSICAL PROPERTIES

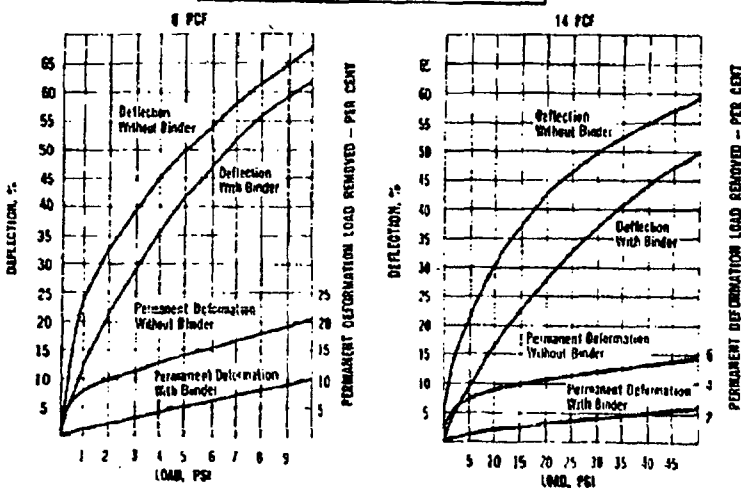
Service Temperature (°F)	2300
Density (pcf)	9 and 14
Mortar Content (typical)	
8 pcf	4.1%
14 pcf	4.8%
Thermal Conductivity (BTU in. per sq. ft. per ft. per °F)	
2000	0.94
2100	0.91
2200	0.87
2300	0.83
2400	0.74
Moisture Content (typical)	25%
Linear Shrinkage (%)	
14 hr. @ 70°F	
8 pcf	1.8
14 pcf	1.8
Tensile Strength Before Firing (psi/sq. in.)	
8 pcf	14 pcf
1/8"	18,500 30,000
1/4"	10,500 24,000
1/2"	4,000 -
Specific Heat (Btu/lb./°F)	
2000	0.20
10000	0.25
18000	0.27

THERMAL CONDUCTIVITY



The values given herein are average typical values obtained in accordance with accepted test methods, and are subject to change. Check nearest J.M. district office for latest information.

DEFLECTION UNDER LOAD AND PERMANENT DEFORMATION



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