

EAGLE-PICHER MT® board

TYPE: Board
TEMPERATURE LIMIT: 1050°F.

Description

Eagle-Picher MTE Board insulation is composed of high-temperature mineral fibers bonded together with a specially-formulated noncorrosive binder. The board is manufactured in sheets of the desired thickness and cut to precise standard dimensions.

Applicability

MT Board is recommended for use in industrial applications requiring quality performance with maximum economy. It exceeds requirements of virtually all standard specifications for thermal insulating boards. In addition, its mechanical properties often lead to specification of MT Board for applications where noise reduction is the only concern.

Typical Uses

Example uses of MT Board include boiler walls, ovens, duct, process vessels, and tanks.

Installation Suggestions

Properly installed and protected, MT Board insulation products will provide long and efficient service. Typical installation is illustrated below:

Fig. 1 Insulating first layer on pins.

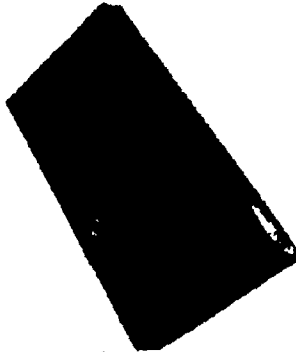
Fig. 2 Insulating subsequent layers (as applicable).

Fig. 3 Application of retaining mesh (above 650°F.).

Fig. 4 Application of weather protection.

When installed over surfaces with temperatures greater than 450°F., some binder degradation will be experienced in the portion of the insulation closest to the hot surface. This has no detrimental effect upon thermal performance.

Some precautions are in order during initial startup of newly insulated systems with ultimate operating temperatures in excess of 600°F. Specifically, the heating rate above 500°F. should be no more than 100°F. per hour.



EAGLE-PICHER

384C21

EAGLE BP PCHER

3.F. = Cold Freez Temperature, °F.
 Data are based upon an ambient condition of 70°F air at 50%
 R.H. = Heat Loss, BTU per hour for each square foot of surface.
 3.F. = Savings Factor for thickness optimization, BTU saved per hour of operation for
 each incremental collector height increase (Lambert and Hestrich).

Machine Number	Machine	Machine Number	Machine
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Mr. Fox-Tenney, P.

MT BOARD
Thermal Design Data

SURFACE EXISTIVITY, ϵ_s 0.12
(Example - Smooth Aluminum)

381024

EAGLE FINDER

C.F. = Cold Face Temperature, °F.
 H.L. = Heat Loss, BTU per hour for each square foot of surface.
 S.F. = Working Factor for the: Largest diffuser, BTU moved per hour of operation
 for each incremental dollar invested for insulation (Labor and Material).
 Date: 1, 1972

[illegible]

10-10-68

NT BOARD
FURNITURE Design Date

BLUNT-ACE BLISSNITY, C. 0.50
(Removal - Black Asphalt Mark)

