

THE EAGLE - PICHER COMPANY
INSULATION DIVISION
MANUFACTURING SPECIFICATION

PLANT PRODUCTION MUST FOLLOW THIS SPECIFICATION.
Emergency Change may be made but shall be promptly reported to the Production Manager and may not extend beyond the Emergency. Permanent Change must be submitted to and be approved by the Production Manager before use by any Plant.

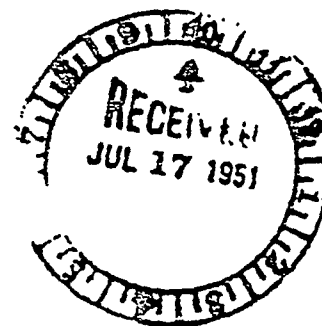
Product Supertemp Block
Plant Joplin
Page 1 of 4 Pages
Effective November, 1950
Supersedes Spec. Dated 12/6/46
Revised Items Entire Form & Contents
Prepared By C. E. Young
Approved: CONFIDENTIAL
Production Mgr. [Signature]
Division Mgr. [Signature]

I. PRODUCT DESCRIPTION

- (a) Eagle-Picher Supertemp Block is a dark grey, dry, relatively dust free block composed of Eagle-Picher Mineral Wool thoroughly blended with suitable binding agents. The finished product is semi-rigid and rectangular in shape with square corners and parallel faces.

II. PRODUCT INFORMATION

- | | |
|---|--|
| (a) Density | 22-24 lbs./cu.ft. |
| (b) Service temperature | Up to 1700F, one face |
| (c) Fire resistance | Incombustible |
| (d) Corrosion on steel | None |
| (e) Performance @ 1700F, one face | |
| Volumetric shrinkage | 2% |
| Linear shrinkage | 2% |
| Loss in weight | 2% |
| (f) Compressive strength
(10% deformation) | 18 psi |
| (g) Breaking strength
(1" x 6" on 10" span) | 12 lbs. |
| (h) Thermal conductivity (k) in
BTU in/sq.ft/hr/°F | 0.37 @ 200F M.T.
0.53 @ 500F M.T.
0.64 @ 700F M.T. |
| (i) Block Sizes | |
| Length | 18" and 36" |
| Width | 6" and 12" |
| Thickness | 1" to 4" in $\frac{1}{2}$ " increments |
| (j) Packages | Cartons |
| (k) Net Weight, per carton | 66, 77, and 82.5 lbs |



**PLAINTIFF'S
EXHIBIT**

Y-69

IV. PROCESSING (Cont'd)

- (k) The cooled blocks are then planed and sawed to the desired dimensions.
- (l) Acceptable Blocks are packed in cartons which are then closed, marked, and placed in storage or made ready for shipment. See VI-b below for quantities.

V. PRODUCT CONTROL

- (a) Product control tests shall be conducted as often as is necessary to maintain the quality limits set forth in the following table but with no less frequency than indicated.

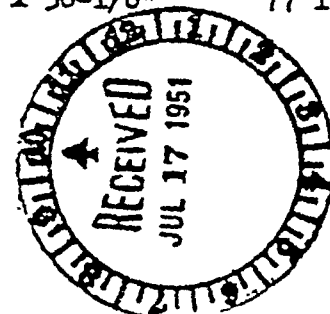
PROPERTY	VALUE	MIN. TEST FREQUENCY	TEST PROCEDURE
(1) Dustiness	Relatively free	Continuous	Visual
(2) Waterproofness	To be determined	0.25% Production	To be determined
(3) Density		0.25% Production	E-P I-136a
Minimum	22 lb/cu.ft.		
Maximum	24 lb/cu.ft.		
(4) Breakload		0.25% Production	Navy 32-I-3
1"x6" on 10" span	12 lb. min.		
(5) Dimensional Tolerance	-0 / 1/8 inch	0.25% Production	Visual

- (b) Substandard material shall be set aside for disposition as directed by Plant Manager

VI. PACKAGING

- (a) Packages shall be regular slotted cartons made from 275 lb. test stock.
- (b) Packages shall be filled in accordance with the following table:

BLOCK SIZE	BLOCK THICKNESS	BD. FT. PER CARTON	CARTON SIZE	APPROX. MIN.NET WT. PER CARTON
6" and 12" x 18"	1, 1½, 2, 3, 4 in.	36	24-1/8" x 18-1/8" x 12-1/8"	66 lbs.
6" and 12" x 18"	2½ in.	45	30-1/8" x 18-1/8" x 12-1/8"	82½ lbs.
6" and 12" x 18"	3½ in.	42	29-1/8" x 18-1/8" x 12-1/8"	77 lbs.
6" and 12" x 36"	1, 1½, 2, 3, 4 in.	36	12-1/8" x 12-1/8" x 36-1/8"	66 lbs.
6" and 12" x 36"	2½ in.	45	15-1/8" x 12-1/8" x 36-1/8"	82½ lbs.
6" and 12" x 36"	3½ in.	42	14-1/8" x 12-1/8" x 36-1/8"	77 lbs.



VI. PACKAGING (Cont'd)

- (c) Cartons shall be printed in accordance with E-P Form layout D-212.
- (d) Cartons shall be closed by gluing top and bottom.
- (e) All cartons shall be marked with a code number that will permit complete manufacturing identification.
- (f) This product shall be identified on shipping forms as "Mineral Wool Blocks in Cartons".

