



BALDWIN-HILL COMPANY, TRENTON 2, NEW JERSEY

DATA SHEET

Product: Mono-Block

Description: Felted rigid block made of Spun Mineral Wool with a clay binder, by a patented Baldwin-Hill process. With long mineral wool fibers laid down in interwoven layers, it has greater tensile strength and better resistance to damage in handling.

Uses: For heated surfaces on steam boilers, ovens, kilns, furnaces, refinery towers, etc.

Features: Light Weight - Maximum Temperature Range - up to 1800 F. Easy to handle and apply, cuts with a knife, surface adjusts to irregularities for snug fit. Moisture-resistant, non-corrosive, stable in service and incombustible.

Technical Data: Maximum Temperature Limit - 1800 F.
 Sizes: Length - 36 inches - Width - 6 and 12 inches
 Thicknesses: 1, 1-1/2, 2, 2-1/2, 3, 3-1/2 and 4 inches
 Density: Approximately 15 pounds per cubic foot
 Thermal Conductivity - (See curve also)

Mean Temp	K
200F	.36
400	.42
600	.51
800	.625
1000	.755
1200	.90

Compressive Strength - 10 lb./sq. in. @ 5% deformation
 Flexural Strength - 40 lb./sq. in.
 Linear Shrinkage after heating at 1800 F - less than 4% ✓

Chemical Analysis (typical)

SiO ₂	•	43%
Al ₂ O ₃	•	11%
CaO	•	29%
MgO	•	6%
FeO	•	8%

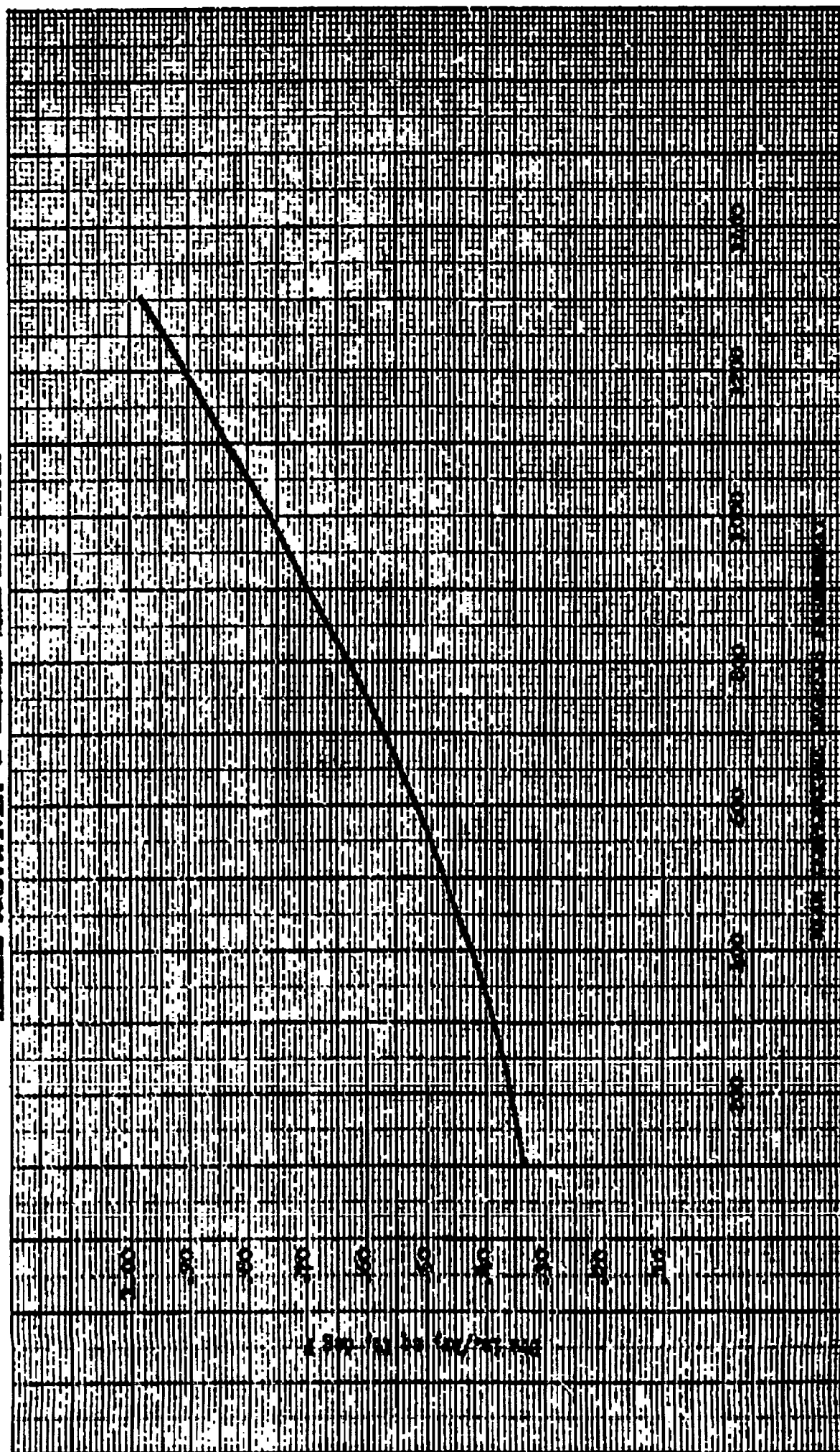
Surface Temperatures and Heat Losses - See Charts
 Thicknesses Recommended - See Catalog

Specifications: Federal Specification 111-1-364, Form 1, Types A, B, C, D
 Commercial Standard CS-117, Block, Classes A, C, D
 ASTM: C 392-57T
 U. S. Coast Guard, Structural Insulation 164, 007/23/0

Packages: Corrugated board fiber boxes - 36 bd. ft. each - (Exception: 37.5 bd. ft. for 2-1/2" and 42 bd. ft. for 3-1/2" thickness)

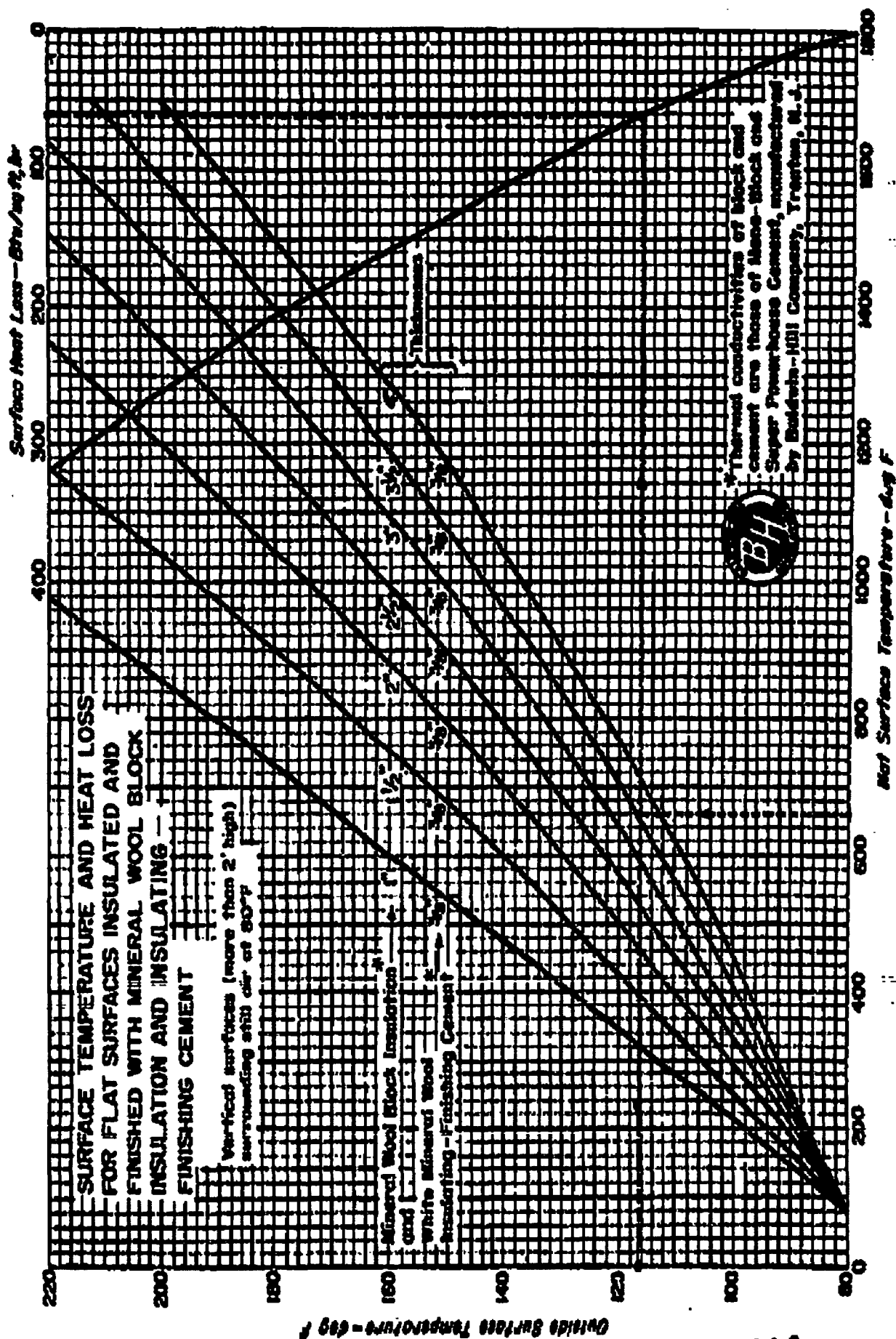
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TEMPERATURE CORRELATION OF BALDWIN-ETAL MONO-BLOCK



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