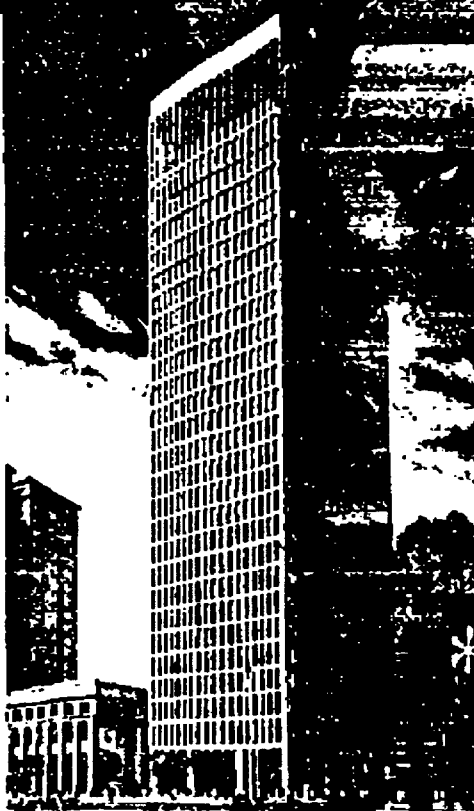
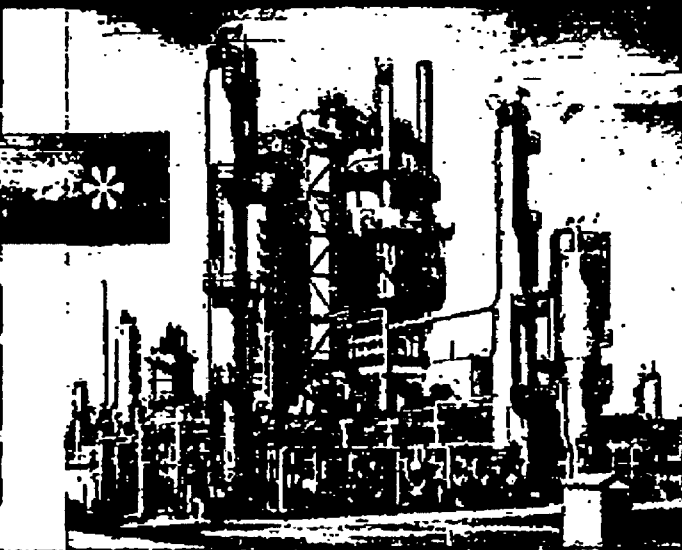
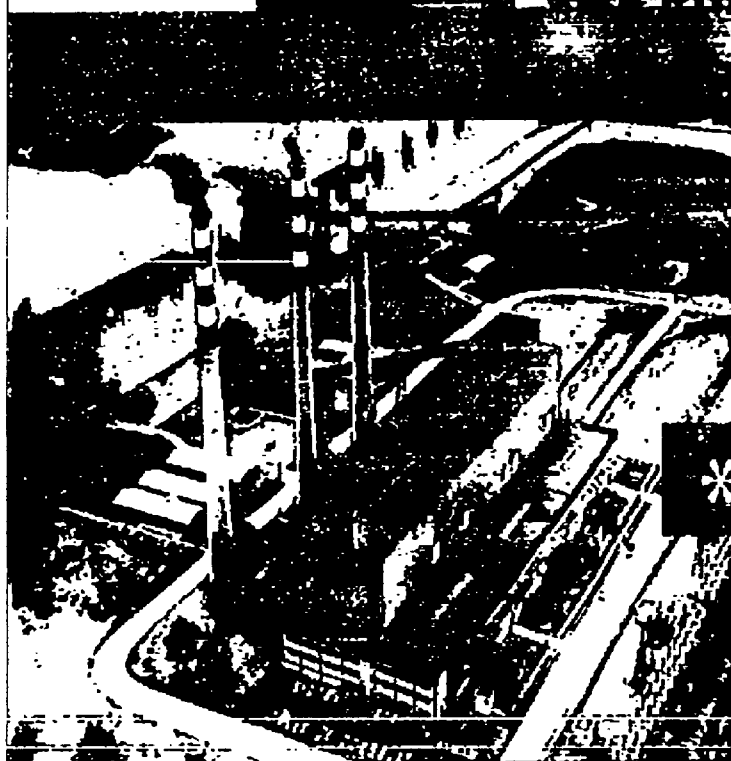




INSULATIONS
BY

BEH

BALDWIN · EHRET · HILL



...it's important to take full advantage
of the new technologies in INSULATIONS
for every service from to 2100F

230137



INSULATIONS BY

the family of insulations

high temperature—industrial		page
Moss-Jack®	to 1800 F	4
B-F-H Blanket™	to 1800 F	5
Thermal®	to 1200 F	6-7
Enduro-A™	to 1700 F	8
Pipe Insulations		9
§ 181™	to 1200 F	10
§ 180™	to 1200 F	11
medium temperature—industrial		
Spun-Fab	to 450 F	12
Thermal®	to 600 F	13
Therma-G™	to 700 F	14
low temperature—industrial		
Moss-Foam	-350 to +250 F	15
to pipe insulation, block		16
to penstock, pipe		17
plumbing—heating		
—air conditioning		
Moss-Kover®	to 270 F	14-15
Fin-Fiber-Fab®	to 450 F	16
to Fiberglass glass board	to 450 F	17
Fibrolite®	to 450 F	17
finishing—weatherproofing		
Super Powerhouse®	to 1200 F	18
§ 1 plus™	to 2100 F	19
Fibrolite™	to 350 F	20
Asphalt Carbide	to 350 F	21
miscellaneous		
loose and granulated wool	to 1200 F	22
Send-It™		23
Asbestos cement		24

overseas operations

During the past 25 years, Baldwin-Ehrst-Hill, Inc. has set up technical assistance agreements in many countries for the manufacture of thermal insulation and structural products. These various manufacturing operations are equipped with modern and efficient machinery to produce quality products to American standards.

Baldwin-Ehrst-Hill makes requests from American and European engineering and equipment companies to quote on their insulation requirements for overseas projects, all or part of the material to be furnished from the Baldwin-Ehrst-Hill license covers the job site. This will set only after advanced surveys in ocean freight, but will result in improved scheduling and delivery of materials. To service overseas sales, Baldwin-Ehrst-Hill has available a directory of contractors-applicants who are competent to handle large-scale insulation projects.

Baldwin-Ehrst-Hill licenses or consents are manufacturing in Argentina, Canada, Denmark, England, Finland, Germany, India, Italy, Japan, Mexico, Netherlands, Norway and Sweden. Negotiations are being conducted currently to establish licenses in several additional countries. Inquiries with respect to supplying insulation from manufacturing in any of these countries should be directed to: Export Sales Department, Baldwin-Ehrst-Hill, Inc., 500 Broadway Avenue, Trenton 2, New Jersey.

230139

RAULWIN-EHRET-HILL

MONO-BLOCK

open mineral fiber block
for service to 1800 F



Mono-Block is fabricated from high temperature resisting materials and is effective up to 1800 F. This can eliminate the old-fashioned method of using two blocks, one low and one high temperature to cover the full temperature range. Mono-Block is composed of spun mineral fibers and inorganic binders. A patented B-E-H process interlocks the long, mineral fibers in a rigid, strong, resilient block. As a result, Mono-Block is light and workable with outstanding insulating qualities.

Stability under stress temperature conditions is assured; and due to their composition, the fibers are unaffected by exposure to moisture or high heat.

PHYSICAL PROPERTIES

density—15 lb./cu ft.
compressive strength—10 lb./sq in. @ 5% deformation.
tensile strength—40 lb./sq in.
flexural shrinkage after heating at 1800 F—less than 4%
size—length—16, 24 inches.
width—4, 12, 24 inches.
thickness—1, 1½, 2, 2½, 3, 3½ and 4 inches.

RECOMMENDED THICKNESSES

face temp. degrees F.	thickness inches	face temp. degrees F.	thickness inches
up to 340	1 to 1½	1000 to 1200	4
340 to 450	2	1200 to 1400	5
450 to 600	3	1400 to 1800	6

SPECIFICATIONS

recommended standard: C3117, Mech. class A, C, B.
reference: 1004-564, form 1, type A, B, C, D.

ASTM: C 397

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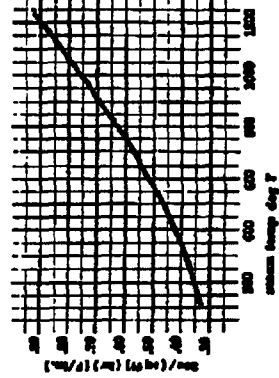
SUGGESTED SPECIFICATIONS

1. **Insulating material**
All insulating material shall be installed with _____ which Mono-Block is a light mineral fiber block insulation manufactured by Baldwin-Ehrhart-Hill, Inc.

2. **Application**
On flat surfaces, Mono-Block shall be installed over welded steel or plate on reliable supports and held in place with washers or clips. Joints and corners shall be pointed with Super Panchrome Cement, before building. On curved surfaces, Mono-Block insulation shall be held in place with 1½ inch bands on cylinders up to 4 feet in diameter and 1 inch bands on larger cylinders. Bands shall be spaced at 12 in. 18 inch centers. Joints and corners shall be pointed with Super Panchrome Cement, before building. On irregular surfaces, depressions shall be filled with a thermal coat of 4-6 in. 1½ inch thickness. On the finished surface, Mono-Block insulation shall be applied over all flat surfaces.

3. **Finishing**
On large areas over 4 feet square, and on surfaces subject to vibration or movement, finish shall be applied over Mono-Block insulation. The finish shall be applied over a 1 inch thick layer of Super Panchrome Cement, before building. The finish shall be applied over a 1 inch thick layer of Super Panchrome Cement, before building. The finish shall be applied over a 1 inch thick layer of Super Panchrome Cement, before building.

THERMAL CONDUCTIVITY



230140

B-E-H BLANKET INSULATION

flexible mineral fiber blanket
metal fabric covered
for service to 1200 F



B-E-H Blanket insulation consists of flexible Monoblock material, spun mineral fibers in large flat sheets between different styles of metal fabrics.

Effective up to 1200 F, it is recommended in its handling efficiency and economy of application. The soft fibers of each blanket interlock with the edges of the one next to it, forming a quickly applied, continuous blanket of insulation without cracks or joints. Since the blanket is flexible, it can be applied to curved or irregular surfaces without breakage. The equipment does not have a coating, and a clean finish is obtained, type 2-A blanket, which has a padded metal left on one side, makes a good surface for adhering cement. This eliminates the need for other metal fabric before application of the finishing cement.

PHYSICAL PROPERTIES AND SIZES

density—10 lb./cu ft.
size—length—40, 50 inches
width—24 inches
thickness—1 to 8 inches

FACING STYLES

- 1" Wire Mesh both sides.
- 1" Wire Mesh and Super Lath.
- 2-A 1" Wire Mesh and Expanded Metal Lath.
- 3-A 1" Wire Mesh and ½" Lath turned in.
- 3-B Lath both sides.
- 3-C Expanded Metal both sides.
- 3-D Sheet Lath one side, Expanded Metal with other side.
- 4-A Sheet Lath and ½" Lath (left turned in).
- 4-B Sheet Lath and ½" Lath (left turned out).

Other facing available on request.

HIGH TEMPERATURE INDUSTRIAL
INSULATIONS BY



RECOMMENDED THICKNESSES

face temp. degrees F.	thickness inches
100 to 300	1½
300 to 500	2
500 to 600	3
600 to 800	4
800 to 1000	5
1000 to 1200	6

SPECIFICATIONS

reference: 1004-564, form 1, class A, B, C
reference: 1004-564, form 1, type A, B, C, D

ASTM: C 390

SUGGESTED SPECIFICATIONS

1. **Insulating material**
All insulating material shall be installed with _____ which Mono-Block is a light mineral fiber blanket insulation manufactured by Baldwin-Ehrhart-Hill, Inc.

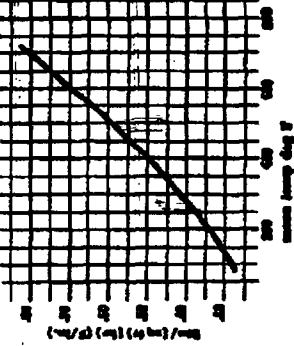
2. **Application**
On walls and roofs over 24 inches diameter—height or depth shall be applied continuously around the wall or roof at intervals of 4 or 8 feet, depending on the length of blanket specified, and the upper end of each blanket shall be fastened to the wall or roof with washers or clips. The blankets shall be applied to the wall or roof with washers or clips. The blankets shall be applied to the wall or roof with washers or clips. The blankets shall be applied to the wall or roof with washers or clips.

3. **Finishing**
On large areas over 4 feet square, and on surfaces subject to vibration or movement, finish shall be applied over Mono-Block insulation. The finish shall be applied over a 1 inch thick layer of Super Panchrome Cement, before building. The finish shall be applied over a 1 inch thick layer of Super Panchrome Cement, before building.

4. **Thermal Conductivity**
The thermal conductivity of the blanket shall be as shown in the graph. The thermal conductivity of the blanket shall be as shown in the graph. The thermal conductivity of the blanket shall be as shown in the graph.

5. **Other facing available on request.**

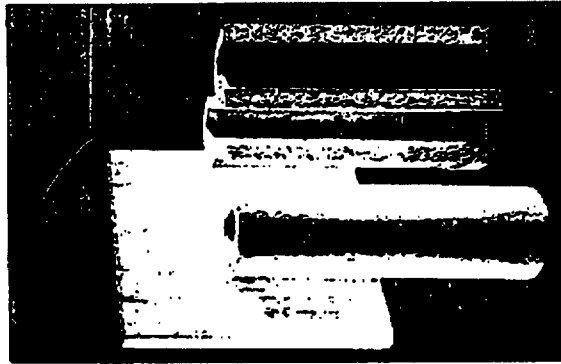
THERMAL CONDUCTIVITY



230141

BALDWIN-EHRHART-HILL

**cerium silicate pipe and block
insulation for service to 1200 F**



Thermal black or pipe insulation is a molded, hydrazine-catalyzed calcium silicate insulation—a blend of special inorganic ingredients reinforced with selected long asbestos fibers, especially formulated for temperatures up to 1200°F. For temperatures in the range of 600 to 1700°F, it can be used in combination with an outer layer of E-E-H Thermaflex (ESSE, Monomold) insulation.

B-E-H Thermoyl is chemically converted under carefully controlled conditions into a strong, hard, light, chemically-stable insulation material. Molded on modern equipment in a new, process controlled plant, B-E inside and outside surfaces of Thermoyl are tough, smooth and dust-free.

PHYSICAL PROPERTIES

density—11.5 lb/cu ft
compressive strength—105 lb/sq in @ 5% deformation
flexural strength—65 lb/sq in
linear shrinkage after
curing @ 1200 F—1.4%

STARS

Time Investment

Thermal-Cation S8000 is available in ordered form in the following thicknesses—1mm and 1.5mm—(all 8" except CT-copper).

sampled discharge	depth type method	double layer method	base layer method water layer separated
1'	1'-1'		
	1'-1'	1'-1'	1'-1'
	1'-1'	1'-1'	1'-1'
2'	1'-1'	1'-1'	1'-1'
3'	1'-1'	1'-1'	1'-1'
4'	1'-1'	1'-1'	1'-1'
5'	1'-1'	1'-1'	1'-1'
6'	1'-1'	1'-1'	1'-1'
7'	1'-1'	1'-1'	1'-1'
8'	1'-1'	1'-1'	1'-1'
9'	1'-1'	1'-1'	1'-1'
10'	1'-1'	1'-1'	1'-1'
11'	1'-1'	1'-1'	1'-1'
12'	1'-1'	1'-1'	1'-1'
13'	1'-1'	1'-1'	1'-1'
14'	1'-1'	1'-1'	1'-1'
15'	1'-1'	1'-1'	1'-1'
16'	1'-1'	1'-1'	1'-1'
17'	1'-1'	1'-1'	1'-1'
18'	1'-1'	1'-1'	1'-1'
19'	1'-1'	1'-1'	1'-1'
20'	1'-1'	1'-1'	1'-1'
21'	1'-1'	1'-1'	1'-1'
22'	1'-1'	1'-1'	1'-1'
23'	1'-1'	1'-1'	1'-1'
24'	1'-1'	1'-1'	1'-1'
25'	1'-1'	1'-1'	1'-1'
26'	1'-1'	1'-1'	1'-1'
27'	1'-1'	1'-1'	1'-1'
28'	1'-1'	1'-1'	1'-1'
29'	1'-1'	1'-1'	1'-1'
30'	1'-1'	1'-1'	1'-1'
31'	1'-1'	1'-1'	1'-1'
32'	1'-1'	1'-1'	1'-1'
33'	1'-1'	1'-1'	1'-1'
34'	1'-1'	1'-1'	1'-1'
35'	1'-1'	1'-1'	1'-1'
36'	1'-1'	1'-1'	1'-1'
37'	1'-1'	1'-1'	1'-1'
38'	1'-1'	1'-1'	1'-1'
39'	1'-1'	1'-1'	1'-1'
40'	1'-1'	1'-1'	1'-1'
41'	1'-1'	1'-1'	1'-1'
42'	1'-1'	1'-1'	1'-1'
43'	1'-1'	1'-1'	1'-1'
44'	1'-1'	1'-1'	1'-1'
45'	1'-1'	1'-1'	1'-1'
46'	1'-1'	1'-1'	1'-1'
47'	1'-1'	1'-1'	1'-1'
48'	1'-1'	1'-1'	1'-1'
49'	1'-1'	1'-1'	1'-1'
50'	1'-1'	1'-1'	1'-1'
51'	1'-1'	1'-1'	1'-1'
52'	1'-1'	1'-1'	1'-1'
53'	1'-1'	1'-1'	1'-1'
54'	1'-1'	1'-1'	1'-1'
55'	1'-1'	1'-1'	1'-1'
56'	1'-1'	1'-1'	1'-1'
57'	1'-1'	1'-1'	1'-1'
58'	1'-1'	1'-1'	1'-1'
59'	1'-1'	1'-1'	1'-1'
60'	1'-1'	1'-1'	1'-1'
61'	1'-1'	1'-1'	1'-1'
62'	1'-1'	1'-1'	1'-1'
63'	1'-1'	1'-1'	1'-1'
64'	1'-1'	1'-1'	1'-1'
65'	1'-1'	1'-1'	1'-1'
66'	1'-1'	1'-1'	1'-1'
67'	1'-1'	1'-1'	1'-1'
68'	1'-1'	1'-1'	1'-1'
69'	1'-1'	1'-1'	1'-1'
70'	1'-1'	1'-1'	1'-1'
71'	1'-1'	1'-1'	1'-1'
72'	1'-1'	1'-1'	1'-1'
73'	1'-1'	1'-1'	1'-1'
74'	1'-1'	1'-1'	1'-1'
75'	1'-1'	1'-1'	1'-1'
76'	1'-1'	1'-1'	1'-1'
77'	1'-1'	1'-1'	1'-1'
78'	1'-1'	1'-1'	1'-1'
79'	1'-1'	1'-1'	1'-1'
80'	1'-1'	1'-1'	1'-1'
81'	1'-1'	1'-1'	1'-1'
82'	1'-1'	1'-1'	1'-1'
83'	1'-1'	1'-1'	1'-1'
84'	1'-1'	1'-1'	1'-1'
85'	1'-1'	1'-1'	1'-1'
86'	1'-1'	1'-1'	1'-1'
87'	1'-1'	1'-1'	1'-1'
88'	1'-1'	1'-1'	1'-1'
89'	1'-1'	1'-1'	1'-1'
90'	1'-1'	1'-1'	1'-1'
91'	1'-1'	1'-1'	1'-1'
92'	1'-1'	1'-1'	1'-1'
93'	1'-1'	1'-1'	1'-1'
94'	1'-1'	1'-1'	1'-1'
95'	1'-1'	1'-1'	1'-1'

Segmented Counting will be provided for all 15" longer than the maximum drum diameters to 15"- 2" and 20" drum diameters.

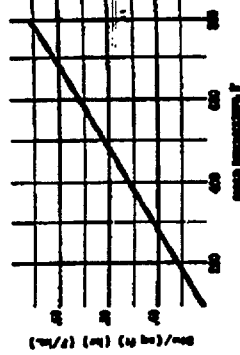
Work Environment

[illegible]

2025年1月1日

temperature range $^{\circ}\text{F}$.	alkalies (measured, total)
125-160	15
160-180	2
180-200	24
200-220	3
220-240	29
240-260	4
260-280	45
280-300	100

TERMINAL CONFIDENTIAL



2012

SPECIFICATIONS

Federal: NH-1-322a Class 1 Start
 Class 2 Pipe Installation
 Summary: NH-1-379C, Pipe Installation
 Grade 1 class b
 Grade 2 class d
 Grade 3 class e, f

ASTM: C 344 (Steel Reinforcement)
C 345 (Prestressing)

STANDARDIZED SPECIFICATIONS

1. संयोजकता

All listed pipes and valves shall be insulated with _____ 2003
Thermal cotton glass insulation, as measured by Submittal Chart.

2. Background

On plots up to 12 ha, thermal plots isolation shall be carried out using intercropped corn plants posted in plots. When specified, broad-leaved plants shall be applied over the corn. On larger plots, and for the lower layers of double-layer covering, the isolation shall be used in plots on 3-ha centers. Plots, etc. shall be isolated with Super Polythene or covered with polythene film isolated with Super Pavers.

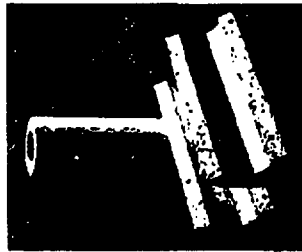
On the next two-media optical medium, Barwood Media Industries, the film is held in place with wires stretched over the top of the blocks and secured to each film, etc. welded in the faces of the surface to be imaged. John and company shall be paid with Super Permeation Cement. On cylinders and disks up to 12 feet around, including heads on 13.4 inch disks shall be used in lead blocks is shown.

References

1. Top insulation shall be covered with seven rows in place and covered, or with aluminum foil.
2. Top insulation orders shall be waterproofed with asphalt emulsion, using hot, thick or painted hot joints, as specified.
3. Back insulation shall be finished with Super Frothcrete around the perimeter of the wall.
4. Back insulation orders shall be finished with Super Frothcrete around the perimeter of the wall.

ENDURO M

**block and pipe insulation
for use between 1200 F and 1700 F**



Enduro M is a product specifically manufactured for use on heated surfaces above 1200 F where such a product is necessary. Enduro M is a strong stable lightweight, efficient, easy to apply and with good high temperature resistance.

PHYSICAL PROPERTIES

density—12.5 lb/cu ft
flexural strength—70 lb/sq in.
compressive strength—145 lb/sq in. at 5% deformation
flexed thickness (24 hrs. at 1700 P)—1.4%

APPLICATIONS

System on Thermal

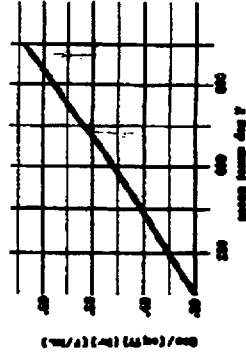
SPRINGFIELD SPECIFICATIONS

Score on Thermoid

RECOMMENDED READING

Science on Demand

INTERNAL CONTROLS

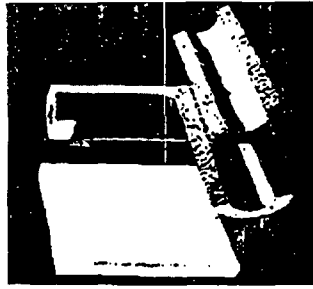


030143

BALDWIN EXHIBIT-HILL

THERMALTE

35% increase in service to 600 F



RECOMMENDED THICKNESSES

pipe foundation	1 to 2 ft	4-6	7-10	12 and up
100-100	1	1	1½	1½
200-300	1	1½	1½	1½
350-600	2	2	2	2½
400-550	2	2	2½	3
500-600	2	2½	3	3½

block foundation

temperatures range 1.

thickness (section, inches)

SPECIFICATIONS

Federal: MH-554
 Military: M2-1781c Grade 1 Class B
 ASMA- C 422

SUGGESTED SPECIFICATIONS

1. Insulating material

2. application

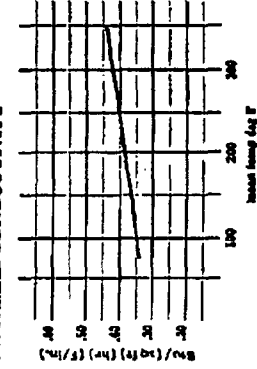
On pipes upto 12 in. Ø, the electric pipe insulation shall be serviced with factory-applied concrete pipe applied in place. When spliced, bands shall be applied over the concrete. On larger pipe, and for the inner layer of double layer casing, the insulation shall be welded in place as block centers. Exposed ft. shall be insulated with Super Power-Plate casings or covered with prefabricated forms finished with Super Power-Plate.

On flat and level ground, sufficient, 12-in.-dia black iron blocks will be held in place with wires stretched over the face of the surface to be covered to such, slight, etc., welded to the face of the surface to be finished. Blocks and casters will be pinned with 3/8-in. bolts. One cylinder and duct up to 12 feet across, including base, on 12-in. casters will be used to hold blocks in place.

3. finishing

1. First printing shall be covered with coarse sand in place and painted, or with oleum resin painting.
2. If the printing outdoors shall be weather-treated with asphalt.
3. Second printing shall be outdoors or painted and printed, as specified.
4. Third printing shall be finished with Super Penetration cement and an oil-soluble wax.
5. Fourth printing outdoors shall be finished with Super Penetration cement then weather-treated with a B.E.N. treatment.

THERMAL CONDUCTIVITY

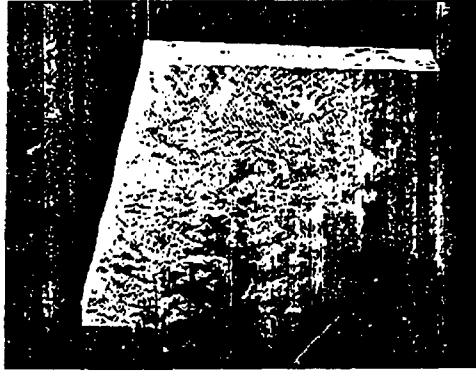


Neck insertion		
width inches	length inches	width inches
1	18 and 35	2, 6
1 1/2, 2	18 and 35	3, 6 and 1
2 1/2, 3	18 and 35	

10

ТЕРМА-К

MINERAL FIBER BOARD
for service to 700 F



ThermaK is a semi-rigid mineral fiber block insulation, lighter in weight and available in larger sheets than rigid-type block insulation. Note: Under service conditions in excess of 450 F, the binder nearest the hot side will contribute to a depth dependent on actual temperature and time. The material will maintain its insulating values and ThermoK in place if properly mounted.

PHYSICAL PROPERTIES

density—8 lb/cu ft
flexural strength—25 lb/sq in.
compressive strength—199 lb/sq ft @ 10% deformation
linear shrinkage after heating @ 750 F—negligible

SIZES

Length—49"
Width—24"
Thickness—1 1/4". 2" 1 5/8" 3"

RECOMMENDED THICKNESSES

1	005007
2	007005
3	003002
4	002001

APPLICATIONS

ASTM: C 587511, Type II C₁₀15 F-2
C 102 C₁₀11

SUGGESTED SPECIFICATIONS

1. insulating material

Specified heated material shall be tested with _____ Mt. Thermomaster 1000 for being as manufactured by Bostwick-Ritchell Incorporated.

2. Application

On Rot or large-radius cylindrical objects, there is still the possibility of being impacted over welded studs, pins or wires on suitable centers and secured with washers and nuts.

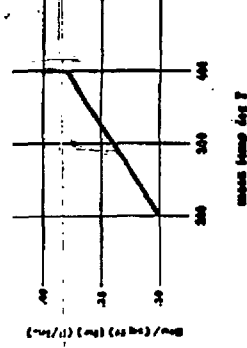
On retractor drive. Throat board shall be held on with erecting
steel bolts, except that on vertical or horizontal underneath surfaces
10 inches or more wide, pins or clips shall be used to supplement the
bands.

3. Finalizing

When specified, steel sheets of galvanized steel or aluminum fastened with suitable mechanical supports shall be used for tower thermal insulation.

When a concrete finish is specified, expanded metal lath shall be fastened to the face of the framework, then a 1/2 inch thick coat of Super Power-Acrylic render applied.

THERMAL CONDUCTIVITY



230117

BALDWIN EHRHILL

FINE-FYBER FELT

for service from -30 to 450 F.



B-E-H Fine-Fyber is a long fibrous, lightweight thermal and acoustical insulation made of incombustible, non-toxic mineral fibers bonded with a small amount of thermosetting resin binder. It may be used for all types of applications from subzero to 450 F. The fibers, when failed, contribute the extra ordinary resilience that makes "spring-back" to fill all voids and prevent shrink-down or settling. Available for duct lining in 1½ and 2 lb density with NFPA-90A coating.

PHYSICAL PROPERTIES AND SIZES

density—1½, 2, 3 lb/cu ft
standard sizes (not available in all dimensions)
length (rolls)—200, 100, 50 lineal feet
width—72", 48", 36", 24"
thickness—1½", 1", ½", 2"

FACINGS AVAILABLE

Foil-silver-Kraft
Aluminum foil
Vinyl film, aluminum-pigmented
Vapor barrier
NFPA-90A coating

RECOMMENDED THICKNESSES

Consult B-E-H representative.

SPECIFICATIONS

Isolant NF-1507 Type 1
ASTM M-12285 A
ASTM C 382
ASTM C 344

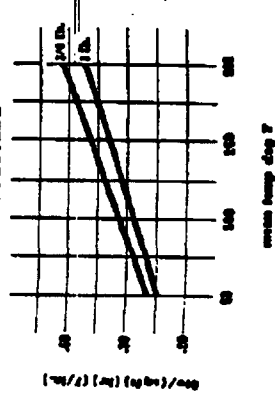
SUGGESTED SPECIFICATIONS

1. Insulating material
All Fine-Fyber felt insulation is supplied by Baldwin-Hill, Inc.
2. Application
On large flat or curved surfaces, Fine-Fyber felt shall be installed as indicated on drawings. On small surfaces, it shall be installed as indicated on drawings. On irregular surfaces, it shall be installed as indicated on drawings. On irregular surfaces, it shall be installed as indicated on drawings.

On large flat or curved surfaces, Fine-Fyber felt shall be installed as indicated on drawings. On small surfaces, it shall be installed as indicated on drawings. On irregular surfaces, it shall be installed as indicated on drawings. On irregular surfaces, it shall be installed as indicated on drawings.

When specified for vapor barrier or other reasons, Fine-Fyber felt shall be installed as indicated on drawings. On irregular surfaces, it shall be installed as indicated on drawings. On irregular surfaces, it shall be installed as indicated on drawings.

THERMAL CONDUCTIVITY



230152

FIBROUS GLASS BOARD

for service to 450°F

Fine glass fibers bonded with phenolic resin, in semi-rigid board form. Available as plain board, also with vapor barrier facings or with coating on one face.

Thermal insulation and sound absorbing capacity for heating and cooling ducts. Also suited for general insulation from below zero up to 450°F.

Tough and resilient. Resists shipping and handling without breakage. Fire, moisture and abrasion-resistant.

STANDARD SIZES

density—3½ lb/cu ft width—24 inches
length—48 inches thickness—½", 1", 1½", 2"

FACINGS AVAILABLE

Aluminum foil Asphalt-Kraft vapor barrier (Temp. Not 150°F)
Foil-silver-Kraft Coated, NFPA

SPECIFICATIONS

Isolant NF-1507 Type 1 One 2 P/B Board
ASTM C375 Type B

SUGGESTED SPECIFICATIONS

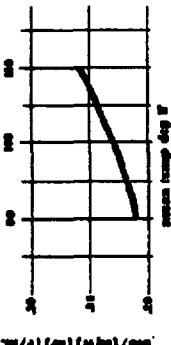
1. Insulating material
Section of heating and cooling ducts shall be covered with Fibrous Glass Board as specified by Baldwin-Hill, Incorporated. Vapor-barrier board, when specified, shall be applied externally on rectangular ducts and for ceiling or duct temperature service. Coated board at specified shall be applied internally in ducts for sound absorption and thermal insulation.

2. Application
On ducts, Fibrous Glass Board shall be installed on outside of duct. On plain board applied to cover air ducts, all joints shall be sealed with Super Fibrous Cement.

Vapor-barrier board shall have joints and perforations sealed with tape and mastic, to form a vapor-tight surface. For internal applications board shall be cut to fit the inside of the duct with top and bottom flanges lapped the sides. Quick-setting adhesive shall be used to attach the board to the duct surface. On surface more than 24 inches wide, mastic or cemented joints, or mechanical fasteners, shall be used in addition to adhesive.

3. Finishing
Exposed ducts shall be insulated as specified.
Abbreviations:
1) Cement or adhesive paper shall be applied with lapping adhesive, and painted.
2) On plain board, expanded metal lath and Super Fibrous Cement shall be applied.
3) (Chalkboard) Duct insulation board cutters shall be covered with mastic or adhesive joints.

THERMAL CONDUCTIVITY



PLUMBING, HEATING,
AIR CONDITIONING
INSULATIONS BY



FIBRELITE

GLASS FIBER FLANKET
for service to 450°F



A tough and resilient fibrous glass blanket made from long, staple-type fibers bonded with thermosetting phenolic resin. Formed in continuous wide sheets and shipped in rolls.

Used as a thermal insulation for temperatures from below zero to 450°F for buildings, ducts, tanks, vessels, etc., and as insulating and sound-absorbing linings for heating, ventilating and air conditioning ducts. Accidental corrosion and rubs caused of equipment and appliances.

STANDARD SIZES

length (rolls) 50, 100, 200 lineal feet
width 36"—48"
thickness 1", 1½", 2"

FACINGS AVAILABLE

Foil-silver-Kraft
Aluminum foil
Vapor barrier
Vinyl-silver-foil
Vinyl film, aluminum-pigmented

RECOMMENDED THICKNESSES

(Consult B-E-H representative.)

THERMAL CONDUCTIVITY

at 75°F mean temperature

density—3½ lb/cu ft



SPECIFICATIONS

Isolant NF-1507 Type 1
ASTM M-12285A
ASTM C 382
ASTM C 344

SUGGESTED SPECIFICATIONS

Some as Fine Fyber on page 16

230153

BALDWIN-CHERRY-HILL

SUPER POWERHOUSE

white insulating-finishing cement
for service to 1200 F.



Baldwin-Ehr-Hill Super Powerhouse Cement is a dry mixture of high temperature-resistant spun mineral fiber, a hydrocarbon-binding binder and other ingredients. Mixed with water it can be troweled on any surface with a minimum of effort. It sets quickly to form a smooth, white, glazed surface. After drying, it may be painted without further treatment. Weatherproofing may be applied directly for outdoor service.

Baldwin-Ehr-Hill Super Powerhouse Cement incorporates the qualities of extremely dry troweling, application of finish in one coat, quick hydraulic set and freedom from drying shrinkage cracks. The excellent adhesive qualities of this BEH Super Powerhouse Cement make it popular with workers since it does not fall off during application.

PHYSICAL PROPERTIES

Physical properties (after molding and drying)
recommended water ratio—1:1 (6% gal. 30 lb. bag)
coverage—36 sq. ft. per 100 lb. of 1 inch thickness

RECOMMENDED THICKNESSES

for insulating irregular areas—same as adjacent horizontal surface

for finishing—single coat 1/2 inch thick

SPECIFICATIONS

ASTM C 1264 Type II

ASTM C 449-60

SUGGESTED SPECIFICATIONS

1. Insulating—finishing material

All insulating finishing areas shall be Super Powerhouse hydraulic setting cement as manufactured by Baldwin-Ehr-Hill, Inc.

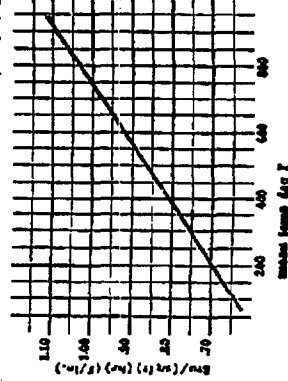
2. application

Hand applied finish—All insulating thick material blocks and finishing areas shall be finished with thick BEH Super Powerhouse cement. It should be mixed with water and troweled to a smooth finish. Pipe fittings—large, valves, etc. in pipe lines smaller than 4 in. IPS shall be covered with Super Powerhouse cement built up to the same thickness as adjacent pipe surfaces and finished smooth.

3. finishing (aftercures)

- The finish is to be applied.
- concrete (or pipe lining)—After drying the cement shall be covered with 6 or 8 oz. canvas, covered or lined in place and painted as specified.
- paint—After drying the cement surface shall be painted as specified.
- weathering—The cement shall be covered with water with each surface finished, then with thick BEH Super Powerhouse weatherproofing.

THERMAL CONDUCTIVITY



230154

BEH #1 PLUS

insulating
cement
for service
to 2100 F



BEH #1 Plus Insulating Cement is a dry mix composed of spun mineral wool granules, bentonite clay and asbestos fiber. The resilient fibers and special binder produce a white finish that looks better, handles easier and sets faster.

Easily applied by trowel after mixing with water, it forms a rust-inhibiting, non-corrosive insulation for heated surfaces. It may be used as a leveling material over insulating blocks, on a complete insulation on irregular surfaces, or patching or repair material, or for general insulating and maintenance work.

PHYSICAL PROPERTIES

(after molding and drying)

recommended water ratio—2:1

coverage, dry—55 sq. ft. in. thick/100 lb

linear shrinkage after 24 hrs. at 2100 F—3%

RECOMMENDED THICKNESSES

Insulating Temperature (F)	Asbestos (inches)	Asbestos (inches)
120 to 125 F.	1	925 to 1000 F.
125 to 132 F.	1 1/2	1000 to 1200 F.
132 to 150 F.	2	1200 to 1600 F.
150 to 250 F.	3	1600 to 2100 F.
250 to 525 F.	3 1/2	

SPECIFICATIONS

ASTM C 1264

ASTM C 449 A

ASTM C 155

ASTM C 155

SUGGESTED SPECIFICATIONS

1. Insulating material

All insulating material shall be BEH #1 Plus as manufactured by Baldwin-Ehr-Hill, Inc.

2. application

BEH #1 Plus Insulating Cement shall be applied by troweling on a dry surface. After the first coat has been applied, the second coat may be applied, depending on the thickness required. Each coat shall be applied over the first coat. The second coat shall be applied with water with each before applying the final coat of cement. Final coat shall be troweled smooth.

3. finishing (aftercures)

Hand finished—A 1/2 to 1/4 inch coat of Super Powerhouse Cement shall be applied and troweled smooth with a steel trowel. When finished, the surface shall be painted after drying. Canvas—After drying the cement shall be covered with 6 or 8 oz. canvas, covered or lined in place and painted as specified. Paint—After drying the cement shall be covered with water with each surface finished, then with thick BEH Super Powerhouse weatherproofing.

FINISHING. WEATHERPROOFING PRODUCTS BY



other products

Fibrecrete

Fibrecrete weatherproof insulating surfaces and is made of an asphalt emulsion and long asbestos fibers. Applied by trowel, fibrecrete, when dried, resists abrasion, prevents water entry and is sufficiently elastic to accommodate normal expansion and contraction without cracking. Flame retardant and self-extinguishing.

Asphalt Cutback

A mixture of asphalt, asbestos fiber, mineral fillers and petroleum-base solvent for protective coating of insulating materials and metallic surfaces. Available in a standard grade for surfaces which may receive 400 F and a high temperature grade for surfaces which may reach 700 F.

Designed to protect block, cement and block-type insulation and adjacent metal surfaces from moisture, corrosion, and weather generally. Also resists abrasion and mechanical damage. Dried film remains flexible, without sagging or cracking due to high temperatures. Available in spray or trowel grades.

Loose and Granulated Wool

Spun mineral wool fill insulation consisting of long fibered wool, available in loose form or it comes from the fiber-forming machine or rolled into granules approximately 1/2 to 1 1/2 inch in diameter.

The loose wool form is used as a hand-packed fill insulation for spaces or irregular shapes, dimensions and contours. Granulated wool may be poured or applied pneumatically using special blowing machines.

Suitable for heated surfaces up to 1200 F and with suitable vapor barrier for low temperature service to —350 F or lower.

Band-Tite

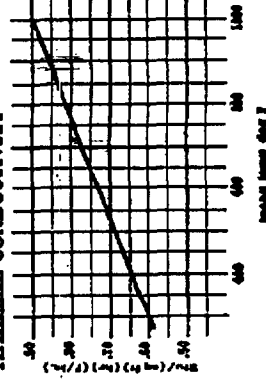
A highly adhesive material that can be easily troweled or applied to the surface of block insulation. Band-Tite is particularly adaptable to temporarily securing block insulation prior to application of reinforcing wire.

#200 Asbestos Cement

A standard quality cement for troweling over blocks, blankets and all types of insulation where a smooth finish is desired. Dries to a hard white, strong surface.

BEH #1 PLUS

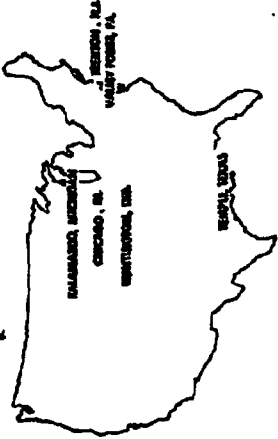
THERMAL CONDUCTIVITY



230155 BALDWIN-EHRET-HILL 19

B E H

one of the largest manufacturers of high and low temperature insulating materials . . .



products installed by competent independent contractors

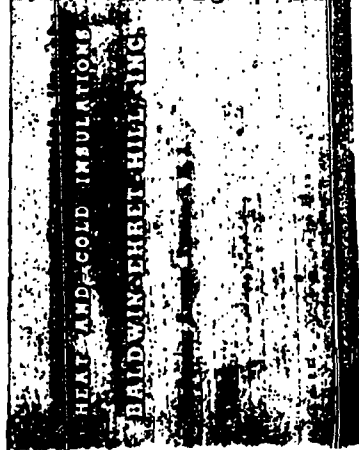
A national network of Independent Certified Contractors represents Baldwin-Ehret-Hill throughout the United States. These contractors, selected for their broad experience, engineering know-how and financial stability, are fully qualified to install B-E-H insulating products on all types of piping and equipment. In addition, Baldwin-Ehret-Hill's even highly skilled engineers can provide technical guidance and assistance to both users and contractors.

For the name of the Independent Certified Contractor closest to your job site, contact anyone of the regional B-E-H sales offices shown to the right.



sales offices

- BALTIMORE 16, MARYLAND-21216
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840 W. Eisenhower Ave. Michigan 3-3838
- CLEARWATER, FLORIDA-33515
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BALDWIN-EHRET-HILL



**heat • cold
insulations**

FOR SERVICE FROM SUB-ZERO UP TO 800°F

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