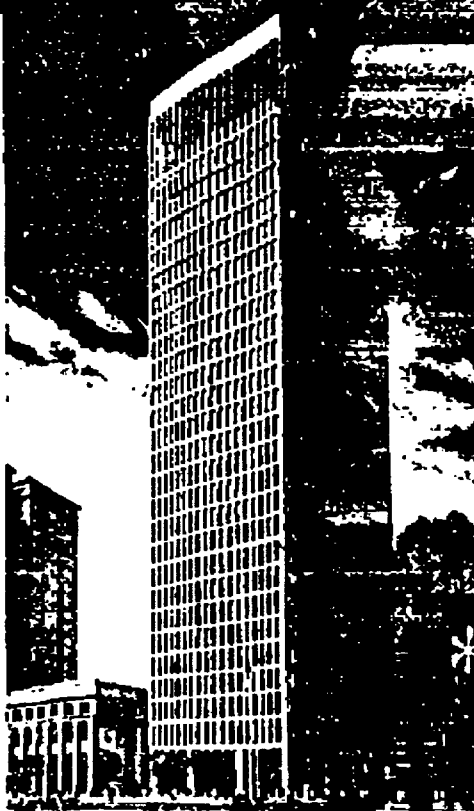
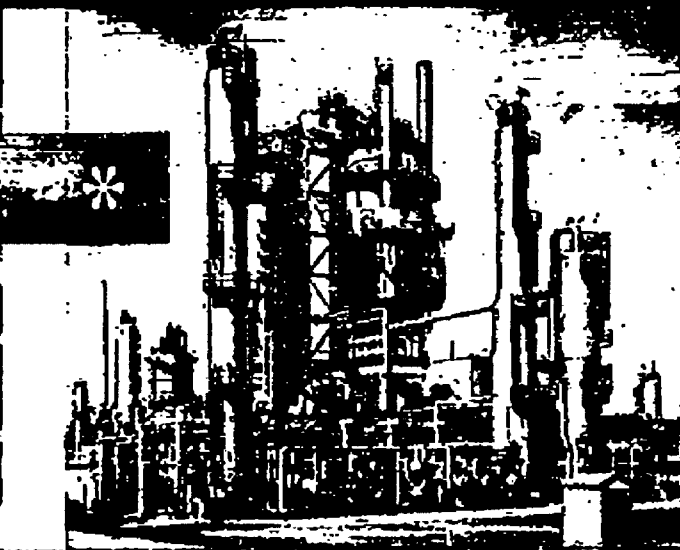
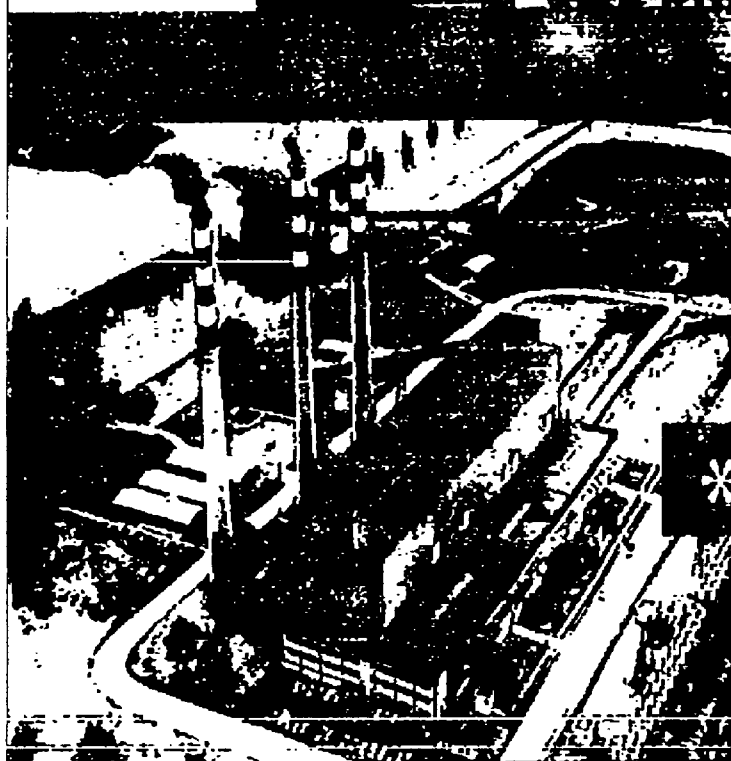




INSULATIONS
BY

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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
Thermalite®	to 1200 F	6-7
Enduro-AH™	to 1700 F	8
Pipe Insulations		9
§ 181™	to 1200 F	10
§ 180™	to 1200 F	11
medium temperature—industrial		
Spun Felt	to 450 F	12
Thermalite®	to 600 F	13
Thermalite™	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 Felt®	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		
leaves and	to 1200 F	22
granulated wool		23
Send-It™		24
Asbestos cement		25

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 created 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 manufacturers 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 minerals 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 to form 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	1800 to 1900	4
340 to 450	2	1900 to 1950	4½
450 to 600	3	1950 to 1980	5
600 to 650	3½	1980 to 2000	5

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

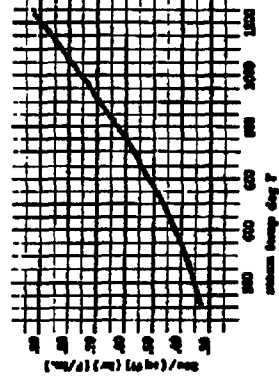
1. **Insulating material**
All insulating material shall be installed with _____ which shall be a rigid mineral fiber block insulation manufactured by Baldwin-Ehrhart, Inc.

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, 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 to 18 inch centers. Joints and corners shall be pointed with Super Panchrome Cement, before building. On irregular surfaces, depressions shall be filled with a board cut of 4x4 in. 1 inch thickness cement, then block insulation applied as on flat surfaces.

3. **Finishing**
On large areas over 4 feet square, and on surfaces subject to vibration or movement, finish shall be applied. Finish shall be applied to all exposed surfaces of Mono-Block and shall be applied to all exposed surfaces of Super Panchrome Cement. A 1 inch thick and then be applied to all exposed surfaces and keeping it to a true level surface. It shall then be installed with a steel trowel.

For exterior service, after the Super Panchrome Cement has dried, various other materials shall be applied to the surface to protect it from weathering and ½ inch thick fibrous waterproofing shall be applied over all.

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 fibrous mineral fibers covered by a metal fabric. 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 break-

ing. If the equipment does not have a coating, and a coating is desired, apply 2-A blanket, which has a metal finish left on one side, making 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 styles available on request.

HIGH TEMPERATURE INDUSTRIAL
INSULATIONS BY



RECOMMENDED THICKNESSES

face temp. degrees F.	thickness inches
100 to 200	1½
200 to 300	2
300 to 400	3
400 to 500	4
500 to 600	5
600 to 700	6
700 to 800	7
800 to 900	8
900 to 1000	9
1000 to 1100	10
1100 to 1200	11

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 shall be a flexible mineral fiber blanket insulation manufactured by Baldwin-Ehrhart, Inc.

2. **Application**
On vessels and tanks over 24 inches diameter—height or depth shall be installed circumferentially around the vessel at intervals of 4 or 8 feet, depending on the length of blankets specified, and the upper end of each blanket shall be fastened to the vessel with washers or clips. The blankets shall be installed in the vertical position and the blankets laid out over them. On large vessels, depending on 400 F or higher, expansion joints shall be installed to avoid gaps in the insulation.

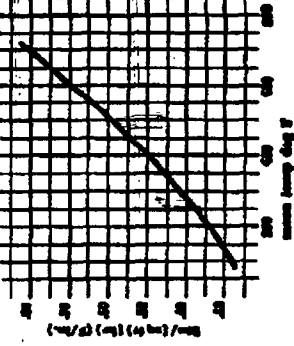
The blankets shall be covered by black alkali chlorinated lath or 17"-17" cement. The abutting edges of the outer metal fabric shall be lapped together with self-cementing lath.

On large flat surfaces—blankets shall be lapped over plates, steel or cast iron, with self-cementing lath. The blankets shall be lapped together with self-cementing lath.

3. **Finishing**
Wherever 1½ to 1 inch thickness of Super Panchrome Cement shall be applied and finished smoothly using a steel trowel. After drying, the surface may be painted or covered with cement applied with dry brush.

4. **Other**
Over a cement fabric applied on the interior of a tank, the metal fabric shall be applied, followed by ½ inch thick B-E-H fibrous waterproofing.

THERMAL CONDUCTIVITY

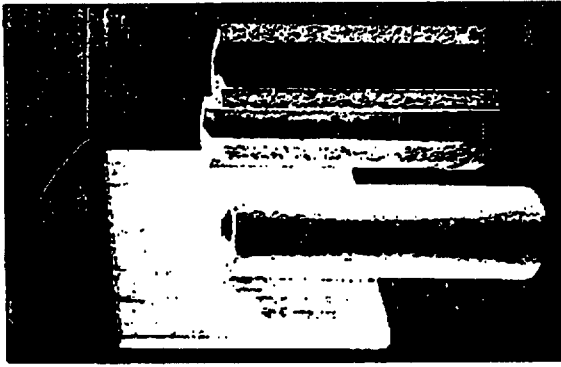


230141

BALDWIN-EHRHART-HILL

Thermasil

calcium silicate pipe and block insulation for service to 1200 F



Thermasil block or pipe insulation is a molded, hydrous 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 8-14 Thermasil 85% Magnesia insulation.

8-14 Thermasil is chemically converted under carefully controlled conditions into a strong, hard, light, chemically stable insulation material. Molded in modern equipment in a new, process controlled plant, it's inside and outside surfaces of Thermasil are tough, smooth and dust-free.

PHYSICAL PROPERTIES

density—11.5 lb/cu ft
compressive strength—105 lb/sq in @ 5% deformation
flexural strength—45 lb/sq in
linear shrinkage after heating @ 1200 F—1.2%

230142

SIZES

pipe insulation

Thermasil-Calcium Silicate is available in uniform sizes in the following thicknesses—nominal and after size—(all 90 except CT—upper tolerance).

nominal thickness	single layer nominal	double layer nominal	single layer nominal after layer expansion
1"	1 1/8" - 1 3/8"	1 1/4" - 1 1/2"	1 1/8" - 1 3/8"
1 1/2"	1 3/4" - 1 7/8"	1 5/8" - 1 7/8"	1 3/4" - 1 7/8"
2"	1 7/8" - 2"	1 7/8" - 2"	1 7/8" - 2"
2 1/2"	2" - 2 1/8"	2" - 2 1/8"	2" - 2 1/8"
3"	2 1/8" - 2 3/8"	2 1/8" - 2 3/8"	2 1/8" - 2 3/8"
3 1/2"	2 3/8" - 2 7/8"	2 3/8" - 2 7/8"	2 3/8" - 2 7/8"
4"	2 7/8" - 3"	2 7/8" - 3"	2 7/8" - 3"
4 1/2"	3" - 3 1/8"	3" - 3 1/8"	3" - 3 1/8"
5"	3 1/8" - 3 3/8"	3 1/8" - 3 3/8"	3 1/8" - 3 3/8"

Segmented Covering will be furnished for all 1 1/2" larger than the nominal size shown above in 1 1/2", 2" and 3 1/2" single thicknesses.

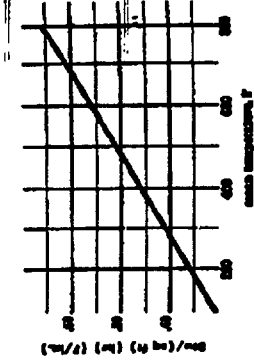
block insulation

thickness	length	width
1 1/2", 2 1/2", 3"	10 and 24	4
	16 and 36	6 and 12

block—THERMOSIL

temperature range F.	thickness furnished, inches
100-100	1 1/2
200-200	2
300-300	2 1/2
400-400	3
500-500	3 1/2
600-600	4
700-700	4 1/2
800-800	5
900-900	5 1/2
1000-1000	6

THERMAL CONDUCTIVITY



SPECIFICATIONS

Federal MIL-STD-129 Class 1 Block
Military MIL-STD-129 Class 1 Pipe Insulation

ASTM: MIL-STD-129C, Type 1
Grade 1 Class 1
Grade 2 Class 1
Grade 3 Class 1, Type 1

MIL-STD-129C, Block, Classes 1 and 2
C 343 Pipe Insulation

SUGGESTED SPECIFICATIONS

1. Insulating material

All insulating pipes and sections shall be insulated with Thermasil calcium silicate insulation, as manufactured by Baldwin-Baker, Inc.

2. Application

On pipes up to 12 inch, Thermasil pipe insulation shall be applied with hand-applied cement paste jointed in place. When specified, hand heat is applied over the cement. On larger pipes, and for the lower heat insulation, the cement shall be applied in place as a thick coating. The cement shall be furnished with Super Penetration cement or cement and penetration from Insulation Super Penetration.

On flat and irregular shaped surfaces, Thermasil block insulation shall be laid in place with very slight overlap the face of the block and cemented in place with cement applied to the face of the insulation. Joint and corner shall be packed with Super Penetration cement. On cylinders and ducts up to 12 feet around, including heads on 10-16 inch vessels shall be used to build blocks in place.

3. Finishing

1. For handling shall be covered with cement paste to place and painted or with asbestos building.
2. For handling sections shall be waterproofed with asphalt cement, rubber latex, asbestos or galvanized steel plates, or specified.
3. Block insulation shall be finished with Super Penetration cement applied over cement paste.
4. Block insulation sections shall be finished with Super Penetration cement then waterproofed with 1-4 H Fluoroc.

HIGH TEMPERATURE INDUSTRIAL INSULATIONS BY



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 high temperature insulation easy to apply and with good appearance.

PHYSICAL PROPERTIES

density—12.5 lb/cu ft
flexural strength—70 lb/sq in
compressive strength—145 lb/sq in @ 5% deformation
linear shrinkage (24 hrs. at 1700 F)—1.6%

SPECIFICATIONS

Same as Thermasil

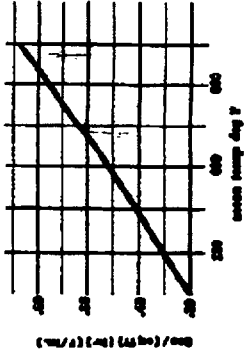
SUGGESTED SPECIFICATIONS

Same as Thermasil

RECOMMENDED THICKNESSES

Same as Thermasil

THERMAL CONDUCTIVITY

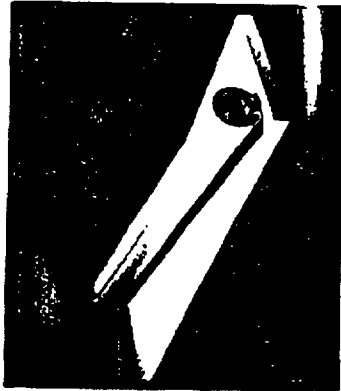


230143

BALDWIN-BAKER-HILL

MONO-FOAM

foamed urethane insulation
for service from 250 F to -350 F



A new answer to insulating low process temperatures, B-E-H Mono-Foam™ provides a more efficient, less costly method of insulating lines and vessels operating from 250 F to -350 F.

Composed of a complex polyurethane, Mono-Foam has a structure of closed cells, containing inert gas. Molded to 30" pipe half sections Mono-Foam has low permeability, excellent compressive strength and an outstanding resistance to thermal shock over its full temperature range. Mono-Foam is also available in flat blocks and boards for vessel insulation.

Due to its excellent thermal efficiency less than half the vessel thickness will provide satisfactory thermal resistance. This means savings in labor, materials and competing materials. Light weight, non-blooming, easy to cut and handle, Mono-Foam ensures fast, trouble-free installation.

Mono-Foam is also available in flat blocks and boards for vessel insulation.

PHYSICAL PROPERTIES

density, nominal—2 lb/cu ft
compressive strength—30 lb/in. sq
water vapor permeability—2 perm-inches
thermal conductivity (at 75°F)—0.15 BTU/hr. sq ft (°F/in.)

"Test-Bureaus" by ASTM Method D1692-S97
(Self-extinguishing grade available in board form only)

FACING

Factory-applied, Vapor barrier, flame-retardant, Black or White

LOW TEMPERATURE INDUSTRIAL
INSULATIONS BY



MONO-FOAM

foamed in place insulation
for valves and fittings
for service from 250 F to -350 F



Designed for the efficient insulation of low-temperature valves and fittings, Mono-Foam foamed-in-place is an ideal companion product to Mono-Foam pipe and block insulation. It is packaged as a base and a separate catalyst. When mixed on-the-job, these foam immediately to form a rigid polyurethane insulation. The only equipment required is a small electric mixer with a stirrer, a mixing head and a lance, which can be made from cardboard, plywood or the finished metal casing, when this is specified. Mono-Foam should be built up to the same thickness as the adjoining insulation.

Mono-Foam is supplied in capped cans.

SPECIFICATIONS

1. Insulating material

All Mono-Foam, except for other light weight grades, are to be supplied in capped cans. The cans are to be supplied by Baldwin-Ehrert-Hill, Inc. with a nominal capacity of 2.5 cubic feet. All thick-nesses are to be equal to or greater than adjacent pipe insulation.

2. Application

All valves, fittings, flanges and other complex shapes shall be insulated by application of insulation and shall be free of debris, free of oil and foreign matter and shall be thoroughly dry.

A form shall be made to support the foam while being formed and shall be removed immediately after the foam has been formed. This form may be of a permanent nature such as wood and is to be removed as soon as it is practical to do so, or it may be a temporary backing in place of a permanent form. The backing shall be removed as soon as it is practical to do so, or it may be a temporary backing in place of a permanent form. The backing shall be removed as soon as it is practical to do so, or it may be a temporary backing in place of a permanent form.

3. Finishing

If a permanent shell is used, it will require an additional finishing step. The shell shall be finished in a manner to be specified by the user. If a temporary form is used, it shall be removed and the surface finished in the same manner as adjacent insulation.

AVAILABLE SIZES AND THICKNESSES (cont.)

wall thickness—nominal inches					
nom. size	nom. O.D.	1/8	1/4	3/8	1/2
overall dimensions (IPS dimension)					
1/2	1.315	1.00	1.25	1.50	1.75
3/4	1.640	1.25	1.50	1.75	2.00
1	1.915	1.50	1.75	2.00	2.25
1 1/4	2.375	1.75	2.00	2.25	2.50
1 1/2	2.625	2.00	2.25	2.50	2.75
2	3.150	2.25	2.50	2.75	3.00
2 1/2	3.675	2.50	2.75	3.00	3.25
3	4.200	2.75	3.00	3.25	3.50
3 1/2	4.725	3.00	3.25	3.50	3.75
4	5.250	3.25	3.50	3.75	4.00
4 1/2	5.775	3.50	3.75	4.00	4.25
5	6.300	3.75	4.00	4.25	4.50
5 1/2	6.825	4.00	4.25	4.50	4.75
6	7.350	4.25	4.50	4.75	5.00
6 1/2	7.875	4.50	4.75	5.00	5.25
7	8.400	4.75	5.00	5.25	5.50
7 1/2	8.925	5.00	5.25	5.50	5.75
8	9.450	5.25	5.50	5.75	6.00
8 1/2	9.975	5.50	5.75	6.00	6.25
9	10.500	5.75	6.00	6.25	6.50
9 1/2	11.025	6.00	6.25	6.50	6.75
10	11.550	6.25	6.50	6.75	7.00
10 1/2	12.075	6.50	6.75	7.00	7.25
11	12.600	6.75	7.00	7.25	7.50
11 1/2	13.125	7.00	7.25	7.50	7.75
12	13.650	7.25	7.50	7.75	8.00
12 1/2	14.175	7.50	7.75	8.00	8.25
13	14.700	7.75	8.00	8.25	8.50
13 1/2	15.225	8.00	8.25	8.50	8.75
14	15.750	8.25	8.50	8.75	9.00
14 1/2	16.275	8.50	8.75	9.00	9.25
15	16.800	8.75	9.00	9.25	9.50
15 1/2	17.325	9.00	9.25	9.50	9.75
16	17.850	9.25	9.50	9.75	10.00
16 1/2	18.375	9.50	9.75	10.00	10.25
17	18.900	9.75	10.00	10.25	10.50
17 1/2	19.425	10.00	10.25	10.50	10.75
18	19.950	10.25	10.50	10.75	11.00
18 1/2	20.475	10.50	10.75	11.00	11.25
19	21.000	10.75	11.00	11.25	11.50
19 1/2	21.525	11.00	11.25	11.50	11.75
20	22.050	11.25	11.50	11.75	12.00
20 1/2	22.575	11.50	11.75	12.00	12.25
21	23.100	11.75	12.00	12.25	12.50
21 1/2	23.625	12.00	12.25	12.50	12.75
22	24.150	12.25	12.50	12.75	13.00
22 1/2	24.675	12.50	12.75	13.00	13.25
23	25.200	12.75	13.00	13.25	13.50
23 1/2	25.725	13.00	13.25	13.50	13.75
24	26.250	13.25	13.50	13.75	14.00
24 1/2	26.775	13.50	13.75	14.00	14.25
25	27.300	13.75	14.00	14.25	14.50
25 1/2	27.825	14.00	14.25	14.50	14.75
26	28.350	14.25	14.50	14.75	15.00
26 1/2	28.875	14.50	14.75	15.00	15.25
27	29.400	14.75	15.00	15.25	15.50
27 1/2	29.925	15.00	15.25	15.50	15.75
28	30.450	15.25	15.50	15.75	16.00
28 1/2	30.975	15.50	15.75	16.00	16.25
29	31.500	15.75	16.00	16.25	16.50
29 1/2	32.025	16.00	16.25	16.50	16.75
30	32.550	16.25	16.50	16.75	17.00
30 1/2	33.075	16.50	16.75	17.00	17.25
31	33.600	16.75	17.00	17.25	17.50
31 1/2	34.125	17.00	17.25	17.50	17.75
32	34.650	17.25	17.50	17.75	18.00
32 1/2	35.175	17.50	17.75	18.00	18.25
33	35.700	17.75	18.00	18.25	18.50
33 1/2	36.225	18.00	18.25	18.50	18.75
34	36.750	18.25	18.50	18.75	19.00
34 1/2	37.275	18.50	18.75	19.00	19.25
35	37.800	18.75	19.00	19.25	19.50
35 1/2	38.325	19.00	19.25	19.50	19.75
36	38.850	19.25	19.50	19.75	20.00
36 1/2	39.375	19.50	19.75	20.00	20.25
37	39.900	19.75	20.00	20.25	20.50
37 1/2	40.425	20.00	20.25	20.50	20.75
38	40.950	20.25	20.50	20.75	21.00
38 1/2	41.475	20.50	20.75	21.00	21.25
39	42.000	20.75	21.00	21.25	21.50
39 1/2	42.525	21.00	21.25	21.50	21.75
40	43.050	21.25	21.50	21.75	22.00
40 1/2	43.575	21.50	21.75	22.00	22.25
41	44.100	21.75	22.00	22.25	22.50
41 1/2	44.625	22.00	22.25	22.50	22.75
42	45.150	22.25	22.50	22.75	23.00
42 1/2	45.675	22.50	22.75	23.00	23.25
43	46.200	22.75	23.00	23.25	23.50
43 1/2	46.725	23.00	23.25	23.50	23.75
44	47.250	23.25	23.50	23.75	24.00
44 1/2	47.775	23.50	23.75	24.00	24.25
45	48.300	23.75	24.00	24.25	24.50
45 1/2	48.825	24.00	24.25	24.50	24.75
46	49.350	24.25	24.50	24.75	25.00
46 1/2	49.875	24.50	24.75	25.00	25.25
47	50.400	24.75	25.00	25.25	25.50
47 1/2	50.925	25.00	25.25	25.50	25.75
48	51.450	25.25	25.50	25.75	26.00
48 1/2	51.975	25.50	25.75	26.00	26.25
49	52.500	25.75	26.00	26.25	26.50
49 1/2	53.025	26.00	26.25	26.50	26.75
50	53.550	26.25	26.50	26.75	27.00
50 1/2	54.075	26.50	26.75	27.00	27.25
51	54.600	26.75	27.00	27.25	27.50
51 1/2	55.125	27.00	27.25	27.50	27.75
52	55.650	27.25	27.50	27.75	28.00
52 1/2	56.175	27.50	27.75	28.00	28.25
53	56.700	27.75	28.00	28.25	28.50
53 1/2	57.225	28.00	28.25	28.50	28.75
54	57.750	28.25	28.50	28.75	29.00
54 1/2	58.275	28.50	28.75	29.00	29.25
55	58.800	28.75	29.00	29.25	29.50
55 1/2	59.325	29.00	29.25	29.50	29.75
56	59.850	29.25	29.50	29.75	30.00
56 1/2	60.375	29.50	29.75	30.00	30.25
57	60.900	29.75	30.00	30.25	30.50
57 1/2	61.425	30.00	30.25	30.50	30.75
58	61.950	30.25	30.50	30.75	31.00
58 1/2	62.475	30.50	30.75	31.00	31.25
59	63.000	30.75	31.00	31.25	31.50
59 1/2	63.525	31.00	31.25	31.50	31.75
60	64.050	31.25	31.50	31.75	32.00
60 1/2	64.575	31.50	31.75	32.00	32.25
61	65.100	31.75	32.00	32.25	32.50
61 1/2	65.625	32.00	32.25	32.50	32.75
62	66.150	32.25	32.50	32.75	33.00
62 1/2	66.675	32.50	32.75	33.00	33.25
63	67.200	32.75	33.00	33.25	33.50
63 1/2	67.725	33.00	33.25	33.50	33.75
64	68.250	33.25	33.50	33.75	34.00
64 1/2	68.775	33.50	33.75	34.00	34.25
65	69.300	33.75	34.00	34.25	34.50
65 1/2	69.825	34.00	34.25	34.50	34.75
66	70.350	34.25	34.50	34.75	35.00
66 1/2	70.875	34.50	34.75	35.00	35.25
67	71.400	34.75	35.00	35.25	35.50
67 1/2	71.925	35.00	35.25	35.50	35.75
68	72.450	35.25	35.50	35.75	36.00
68 1/2	72.975	35.50	35.75	36.00	36.25
69	73.500	35.75	36.00	36.25	36.50
69 1/2	74.025	36.00	36.25	36.50	36.75
70	74.550	36.25	36.50	36.75	37.00
70 1/2	75.075	36.50	36.75	37.00	37.25
71	75.600	36.75	37.00	37.25	37.50
71 1/2	76.125	37.00	37.25	37.50	37.75
72	76.650	37.25	37.50	37.75	38.00
72 1/2	77.175	37.50	37.75	38.00	38.25
73	77.700	37.75	38.00	38.25	38.50
73 1/2	78.225	38.00	38.25	38.50	38.75
74	78.750	38.25	38.50	38.75	39.00
74 1/2	79.275	38.50	38.75	39.00	39.25
75	79.800	38.75	39.00	39.25	39.50
75 1/2	80.325	39.00	39.25	39.50	39.75
76	80.850	39.25	39.50	39.75	40.00
76 1/2	81.375	39.50	39.75	40.00	40.25
77	81.900	39.75	40.00	4	

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-Ehrhart, 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.

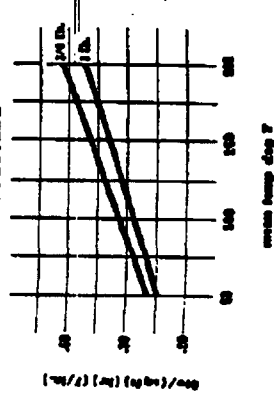
On large flat or curved surfaces, Fine-Fyber felt shall be installed as indicated on drawings. On small surfaces, it shall be installed as indicated on drawings. On irregular surfaces, it shall be installed as indicated on drawings. On irregular surfaces, it shall be installed as indicated on drawings.

On irregular surfaces, the felt may be installed as indicated on drawings. On irregular surfaces, the felt may be installed as indicated on drawings.

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On irregular surfaces, the felt may be installed as indicated on drawings. On irregular surfaces, the felt may 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 Piles Board
ASTM C 373 Type B

SUGGESTED SPECIFICATIONS

1. Insulating material
Section of heating and cooling ducts shall be covered with Fibrous Glass Board as specified by Baldwin-Ehrhart, Incorporated. Vapor-barrier facings, 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.

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

Vapor-barrier facings shall have joints and perforations sealed with tape and mastic, to form a vapor-tight surface.

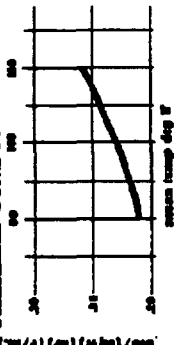
For internal applications, board shall be cut to fit the inside of the duct with top and bottom flanges lapped the sides. Quick-setting adhesive shall be used to attach the board to the duct surface. On surface more than 24 inches wide, welded or riveted plate, or embedded fasteners, shall be used in addition to adhesive.

Finishing

Exposed ducts shall be insulated as specified.

- 1) Cores or subcores paper shall be applied with lapping adhesive, and painted.
- 2) On plain board, expanded metal lath and Super Fibrous Cement shall be applied.
- 3) (Chubb's) Duct insulation board cutters shall be covered with rolling felt or asbestos fabric.

THERMAL CONDUCTIVITY

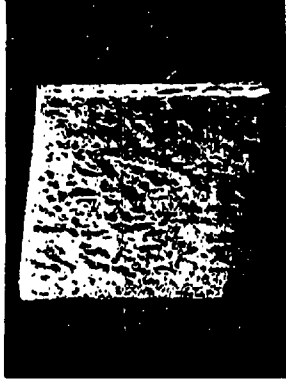


PLUMBING, HEATING,
AIR CONDITIONING
INSULATIONS BY



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-film
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

Same as Fine-Fyber on page 16

230153

BALDWIN-EHRHART

SUPER POWERHOUSE

white insulating-finishing cement
for service to 1200 F.



Baldwin-Ehrst-Hill Super Powerhouse Cement is a dry mixture of high temperature-resistant special 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-Ehrst-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-Ehrst-Hill, Inc.

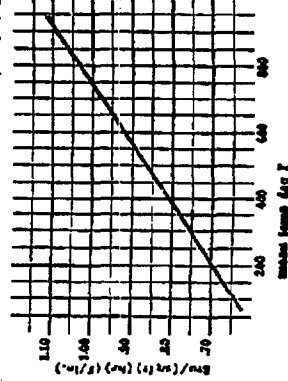
2. application

Hand applied finish—All insulating thick material shall be finished with thick mix BEH Super Powerhouse cement. It shall be applied with trowel and finished to smooth finish. Pipe fittings—Large, small, etc. in pipe first smaller than 4 in. IPS shall be covered with Super Powerhouse cement 1/2" up to the next thickness in adjacent pipe runs and finished smooth.

3. finishing (aftercure)

- The finish shall be applied.
- Concess (for pipe lines)—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 newly 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. 1 in. thick/100 lb
linear shrinkage after 24 hrs. at 2100 F—3%

RECOMMENDED THICKNESSES

Insulation Temperature (Fahrenheit)	Asbestos (inches)	Asbestos (inches)
120 to 175 F.	1	1
175 to 325 F.	1 1/2	1 1/2
325 to 550 F.	2	2
550 to 750 F.	3	3
750 to 850 F.	3 1/2	4 1/2

SPECIFICATIONS

ASTM C 1264

ASTM C 449 A

ASTM C 155

SUGGESTED SPECIFICATIONS

1. Insulating material

All insulating material shall be BEH #1 Plus as manufactured by Baldwin-Ehrst-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 newly finished, then with thick BEH Super Powerhouse weatherproofing.

3. finishing (aftercure)

Hand applied finish—All insulating thick material shall be finished with thick mix BEH Super Powerhouse cement. It shall be applied with trowel and finished to smooth finish. Pipe fittings—Large, small, etc. in pipe first smaller than 4 in. IPS shall be covered with Super Powerhouse cement 1/2" up to the next thickness in adjacent pipe runs and finished smooth.

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

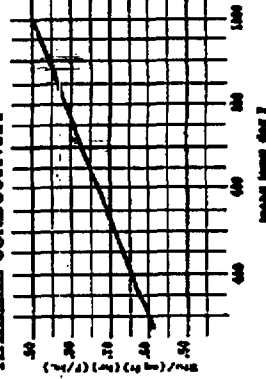
A highly adhesive material that can be easily troweled or applied to the surface of block insulation. Band-Tite is particularly adaptable to temporary securing block insulation prior to application of reinforcing wire.

#200 Asbestos Cement

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

BEH #1 PLUS

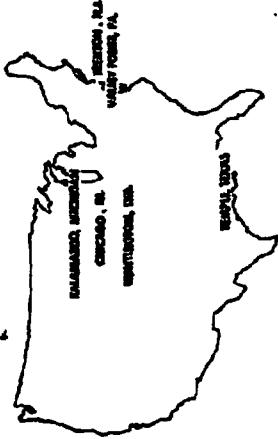
THERMAL CONDUCTIVITY



230155 BALDWIN-EHRST-HILL 19

B E H

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



products installed by competent independent contractors

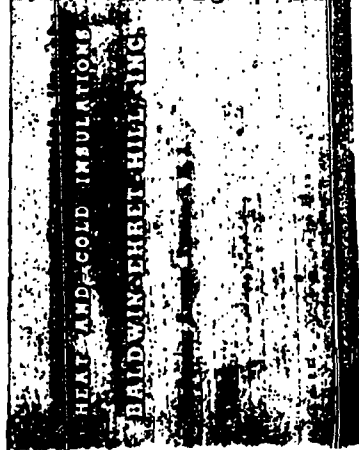
A national network of Independent Certified Contractors represents Baldwin-Ehret-Hill throughout the United States. These contractors, selected for their broad experience, engineering know-how and financial stability, are fully qualified to install B-E-H insulating products on all types of piping and 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
Suite 12, 108 West 39th Street, Phone 4-1690
- CHICAGO 22, ILLINOIS-40401
840 W. Eisenhower Ave. Michigan 3-3838
- CLEARWATER, FLORIDA-33515
Route 2, Box 319, 736-3823
- DOVER, NEW JERSEY-07801
142 Clark Street, PO 6-7374
- FARMINGTON, MICHIGAN-48024
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BALDWIN-EHRET-HILL



**heat • cold
insulations**

FOR SERVICE FROM SUB-ZERO UP TO 800°F

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