PLAINTIFF'S
EXHIBIT
KN-372

B E H
BALDWIN·EHRET·HILL

MONO-BLOCK



BALDWIN-EHRET-HILL

B E H
BALDWIN·EHRET·HILL

SUPER POWERHOUSE CEMENT

BALDWIN-EHRET-HILL

MONO-BLOCK—one block insulation

effective over the full temperature range to 1800° F.

Mono-Block is fabricated from high temperature resisting minerals and is effective up to 1800° F. This eliminates the old-fashioned method of using two blocks, one low and one high temperature to cover the full temperature range.

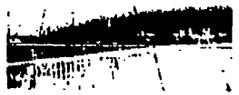
Mono-Block is composed of spun mineral fibers and inorganic binders. A patented B-E-H process interlocks the long, mineral fibers to form a rigid, strong, resilient block. As a result, Mono-Block is light and workable with outstanding insulating qualities.

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

USES

- steam boilers
- boiler water walls
- ducts and breechings
- fan housings
- feed water heaters
- oil refinery towers, tanks
- drying ovens
- wind tunnels
- core ovens
- heat treating ovens
- annealing furnaces
- annealing ovens
- chemical treating tanks
- brick kilns
- waste heat flues, etc.
- jet stacks





Note how B-E-H Mono-Block is easily cut and shaped, conforming to the spherical head of this vessel without breaking.

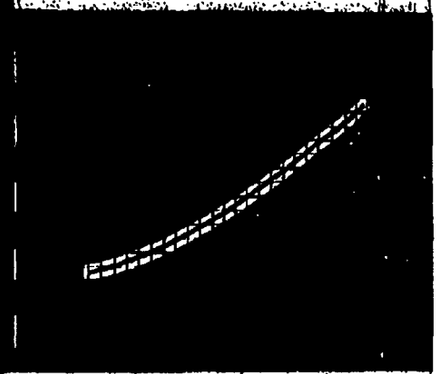


B-E-H Mono-Block is ideal for insulating high temperature ducts. It is shown here being secured with wire anchored to studs.



Large dose of B-E-H Mono-Block permits rapid insulation of waterwalls. It is shown here painted with B-E-H Super Powerhouse Cement.

231635



FEATURES

Readily Applied

Lightweight and workable, B-E-H Mono-Block is easily cut with a knife, and conforms to slight curvatures or projections such as rivet heads, so a snug fit is obtained without cracking and breaking. *Because Mono-Block is not brittle, it is easily impaled over* studs without drilling holes.

High Strength

B-E-H Mono-Block is molded to actual specified thickness. It is not slit to size, as are most other insulating blocks, a process which removes the harder outer surface and impairs the strength. This extra toughness built into Mono-Block means negligible loss due to breakage in handling. It absorbs a considerable amount of impact without damage.

Highly Efficient

The efficiency of Mono-Block, due to the specially processed spun mineral wool fibers, is excellent even at temperatures as high as 1800° F. *Mono-Block eliminates the need for two insulating* blocks, insuring greater over-all efficiency and substantial savings in installation costs.

Non-Corrosive, Moisture Resistant

The mineral wool in Mono-Block offers excellent resistance to moisture and attack by destructive chemicals. It is not corrosive when applied directly on aluminum, steel and other metals. Accidental wetting or soaking with water does not change the structure nor impair the insulating value of Mono-Block after drying out.

Provides Excellent Surface for Finishing

The surface of Mono-Block is ideal for the application of B-E-H *Super Powerhouse Cement* which adheres tenaciously and dries to a hard, high glaze in a bright white finish.

Low Lineal Shrinkage on Heating

The low shrinkage of Mono-Block assures tight joints and freedom from cracks.

SIZES

length—18, 36 inches
width—6, 12, 24 inches
thickness—1, 1½, 2, 2½, 3, 3½, 4 inches
other sizes available on special order

RECOMMENDED THICKNESSES

hot face temp.	thickness, in.	hot face temp.	thickness, in.
up to 300° F	1 to 1½	800° to 1000° F	4
300° to 350° F	2	1000° to 1200° F	4½
450° to 600° F	3	1200° to 1400° F	5
600° to 800° F	3½	1400° to 1600° F	6



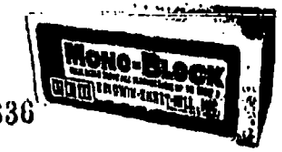
Light in weight, Mono-Block cuts easily with a knife in straight lines or odd shapes. Mitres and angles are quickly made.



Pressed over a rivet head, Mono-Block yields without cracking or breaking.



The finished surface is smooth and flat despite underlying irregularities.



231636

Mono-Block is packed in high-test corrugated cardboard boxes containing 36 bd. in each.

BALDWIN-EHRET-HILL

SUPER POWERHOUSE CEMENT

extra white insulating-finishing cement

Baldwin-Ehret-Hill research has developed a new Super Powerhouse Cement which has increased dry coverage. 100 lbs. covers 72 sq ft, ½ in. thick besides providing an even more brilliant white finish.

B-E-H Super Powerhouse is a dry mixture of high temperature resisting mineral wool, a hydraulic setting 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, hard, bright white, glazed finish. If desired, it may be painted without further treatment, or weatherproofed for outdoor service.

B-E-H Super Powerhouse Cement, in one product, combines extremely easy troweling, insulating-finishing in a single coat. Increased dry coverage, quick hydraulic setting, and negligible shrinkage on drying which insures tight joints and freedom from cracks. The excellent adhesive qualities of Super Powerhouse make it popular with workers since it does not fall off during application.



The smooth, white finish of B-E-H Super Powerhouse Cement eliminates the need for painting.



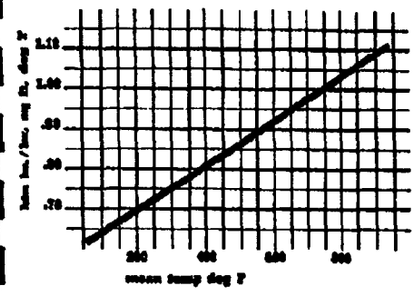
Photograph shows Super Powerhouse in two stages of drying. Small area, upper left, has dried to a brilliant white finish.



Where weatherproofing is to be applied later, the surface of Super Powerhouse Cement is left rough-troweled.

231637

THERMAL CONDUCTIVITY



HIGH ADHESION



- Upper backing plate
- Super Powerhouse Cement
- Glued 1½ magnetic block
- Lower backing plate



- Upper backing plate
- Super Powerhouse Cement
- Mineral wool block
- Lower backing plate

The bond is stronger than the block

Block insulations finished with B-E-H Super Powerhouse Cement were pulled apart after dipping the outer faces in hot asphalt and embedding them to the backing pieces, as shown. The lower backing plate was held fast while a pull was exerted on the hook above. Note that failure occurred in the block insulation in each case.



Packed in 50 lb. moisture-proof paper bags.

231638

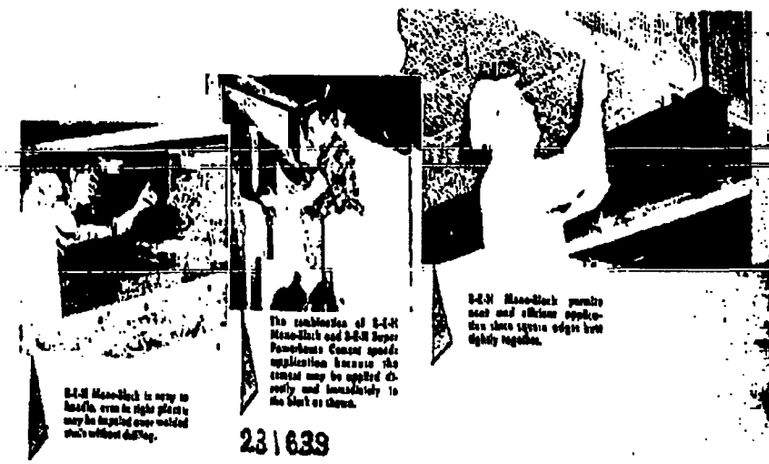
MONO-BLOCK
Provides low cost installation

Preparation
All vertical surfaces to have angle supports equal in size to thickness of insulation, welded to the surface of the vessel and spaced 6 ft. apart, starting at bottom.

Application of Block
Apply specified thickness of Mono-Block directly to metal surface, cutting to fit snugly all around supports, openings, etc. Apply a thin coat of B-E-H Bond-Tite to the surface of the block and press it firmly to the surface of the vessel. After the entire circumference has been filled, apply galvanized steel bands. Spacing of these bands is to be approximately 8 in. on centers. On vessels over 6 ft in diameter, use ¾ in. wide bands 6 in. on centers. Space bands on circular heads 18 in. on centers at outside circumference.

Apply a ½ in. thick coat of B-E-H Super Powerhouse Cement directly to the Mono-Block surface, filling all cracks and bringing to a level, true surface. Trowel smooth with a steel trowel. On surfaces subject to vibration or undue thermal expansion or contraction use 1 inch woven wire mesh reinforcing before applying Super Powerhouse Cement.

For Outside Use
All insulated units exposed to weather or excessive humidity should be protected as follows: After the finish layer of B-E-H Super Powerhouse Cement has dried, stretch poultry netting over it and cover with ½ in. of B-E-H Fibrelute, which when dried should not be less than ⅛ in. thick.



B-E-H Mono-Block is easy to handle, even in right pieces may be furnished snap-welded studs without charge.

The combination of B-E-H Mono-Block and B-E-H Super Powerhouse Cement speeds application because the cement may be applied directly and immediately to the block as shown.

B-E-H Mono-Block provides neat and efficient application since square edges butt tightly together.

23 | 639

APPLICATION

SUPER POWERHOUSE
Insulating-Finishing CEMENT

Preparation
All surfaces of equipment to be insulated should be thoroughly cleaned. Remove all dirt, oil, loose scale, rust or paint. If it is not possible to remove old paint or other foreign material, apply a layer of No. 20 ga. galvanized wire mesh to the bare surface of the vessel to establish the proper bond.

Water/Cement Ratio
Recommended water/cement ratio is 1.0 (6 gals. per 50 lb. bag). Before applying cement to porous insulation such as magnesia, flour-silica or diatomaceous earth, moisten the block surfaces or use slightly more water in mixing cement.

Mixing
Mix thoroughly with clean water in correct proportion. Allow to soak 10 to 15 minutes before using, but use entire batch within two hours. Do not mix new cement with old, partially-set material. Always clean mixing box and tools thoroughly removing all previously set cement before mixing new batch.

Application of Cement
Apply as an insulating and finishing coat ⅜ in. to ½ in. thick over any type of insulating block, dried insulating cement, refractory or firebrick. It may be applied directly to expanded metal lath, woven wire mesh and irregular metal surfaces. Reinforcing wire mesh is not required for many applications. Highly suitable for monolithic construction.

For overhead application, a maximum of 1 in. thickness may be applied in one layer to expanded metal lath or other firm base. When weather-proofing materials are used, best application results can be obtained by use of a wood float on the surface of the Baldwin-Ehret-Hill Super Powerhouse Cement. Contact nearest sales office for detailed application specifications.

Painting
The smooth, white, glazed surface gives B-E-H Super Powerhouse Cement a fine finish. However, if color is required for identification or other purpose, the surface provides an excellent paint base. Water-base paints may be applied before drying is complete. Let surface dry before applying oil-base paints.



Complete Line of B E H INDUSTRIAL INSULATIONS

B-E-H No. 101 PIPE INSULATION
Effective to 1200° F

MONO-KOVER® PIPE INSULATION
Effective from —150° to 350° F

B-E-H THERMASIL® CALCIUM SILICATE
Effective from 100° to 1200° F

B-E-H THERMALITE® 85% MAGNESIA
Effective from 100° to 600° F

B-E-H No. 1 INSULATING CEMENT
Effective to 1800° F

B-E-H BLANKET INSULATION
Effective to 1200° F

FINE-FYBER® FELT
Effective from —150° to 450° F

B-E-H SPUN MINERAL WOOL FELT
Effective from —150° to 600° F

B-E-H GEM-FOAM™
Effective from —460° to 275° F

BALDWIN-EHRET-HILL, INC.

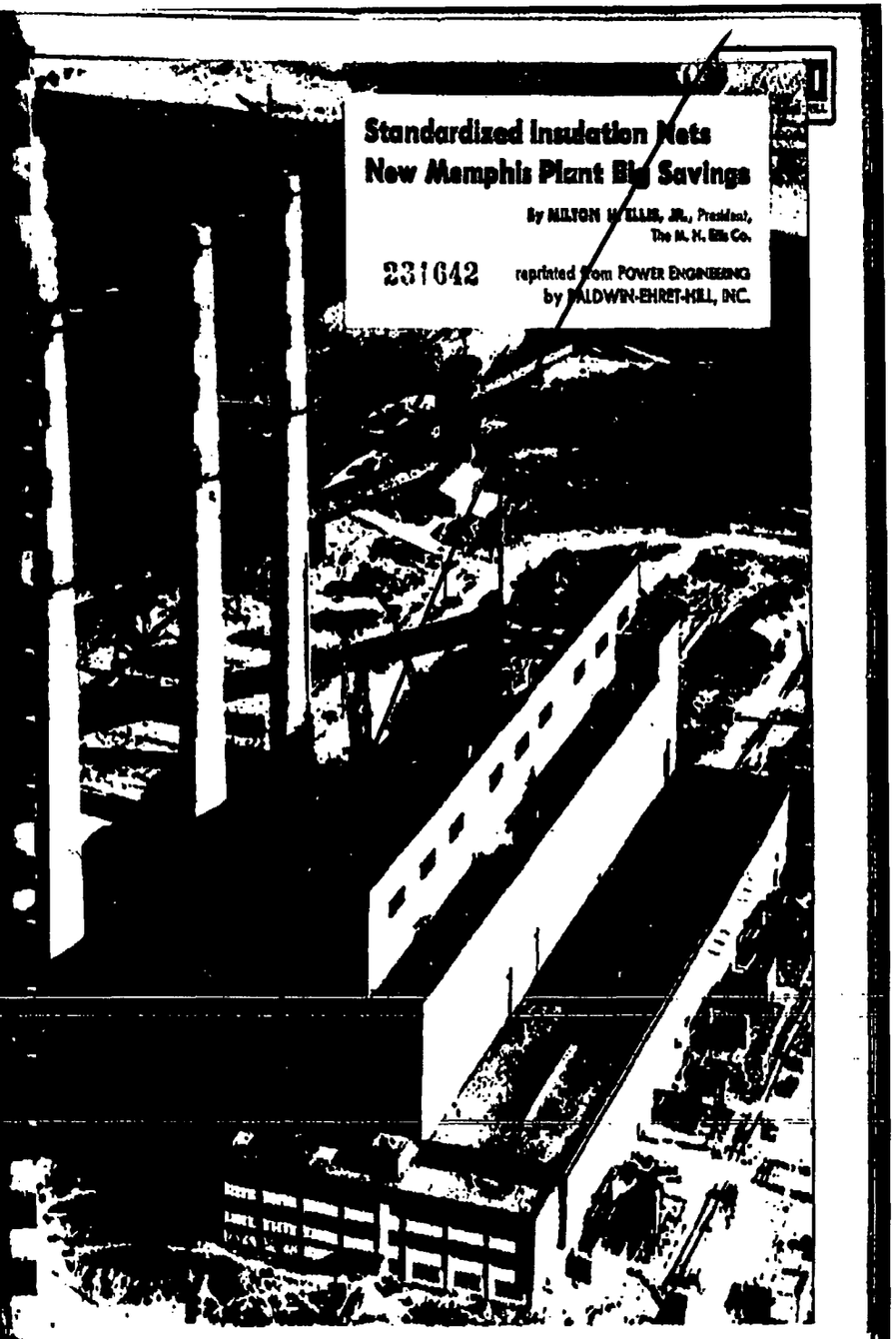
Trenton, New Jersey

B E H
BALDWIN-EHRET-HILL

Sales Offices

Plants

Printed in U.S.A.



Standardized Insulation Nets New Memphis Plant Big Savings

By MILTON H. ELLIS, JR., President,
The M. H. Ellis Co.

231642

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by BALDWIN-EHRET-HILL, INC.

MONO-BLOCK



BALDWIN-HILL

SUPER POWERHOUSE CEMENT

BALDWIN-HILL

MONO-BLOCK—one block insulation effective over the full temperature range to 1700° F.

Mono-Block is fabricated from high temperature resisting minerals and is effective up to 1700° F. This eliminates the old-fashioned method of using two blocks, one low and one high temperature to cover the full temperature range.

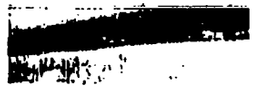
Mono-Block is a felted block made of spun mineral wool by means of a patented B-H process. The spinning technique produces long, straight fibers which are felted into interwoven layers providing inherently good tensile strength and handleability. As a result, B-H Mono-Block is light, resilient and contains millions of tiny air cells which make possible its unusually high insulating qualities.

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

USES

[illegible]







B-H Mono-Block is ideal for insulating high temperature ducts. It is shown here being secured with wire unshaved to studs.





Large class of B-H Mono-Block panels rapid insulation of waterwalls. It is shown here painted with B-H Improved Super Powerhouse Cement.



Easy to Apply

Light in weight, B-H Mono-Block is easily handled and readily cut into any desired shape. The faired surface of Mono-Block yields to surface projections so that a snug fit is obtained without cracking or breaking. Because Mono-Block is not brittle, it is easily impaled over studs without drilling holes.

High Strength

B-H Mono-Block is molded to actual specified thickness. It is not cut to size, as are most other insulating blocks, a process which removes the harder outer surface and impairs the strength. This extra toughness built into Mono-Block means negligible loss due to breakage in handling. It absorbs a considerable amount of impact without damage.

Highly Efficient

The efficiency of Mono-Block, due to the specially processed spun mineral wool fibers, is excellent even at temperatures as high as 1700° F. Mono-Block eliminates the need for two insulating blocks, insuring greater over-all efficiency and substantial savings in installation costs.

Non-Corrosive, Moisture Resistant

The mineral wool in Mono-Block offers excellent resistance to moisture and attack by destructive chemicals. It is not corrosive when applied directly on aluminum, steel and other metals. Accidental wetting or soaking with water does not change the structure nor impair the insulating value of Mono-Block after drying out.

Provides Excellent Surface for Finishing

The surface of Mono-Block is ideal for the application of B-H Improved Super Powerhouse Cement which adheres tenaciously and dries to a hard, high gloss in a bright white finish.

Low Lineal Shrinkage on Heating

The low shrinkage of Mono-Block assures tight joints and freedom from cracks.

SIZES

length—18, 36 inches
width—6, 12, 24 inches
thickness—1, 1½, 2, 2½, 3, 3½, 4 inches
other sizes available at slight additional cost

RECOMMENDED THICKNESSES

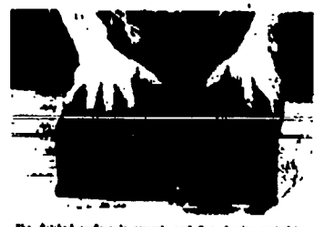
hot face temp.	thickness, in.	hot face temp.	thickness, in.
up to 300° F	1 to 1½	800° to 1000° F	4
300° to 350° F	2	1000° to 1200° F	4½
450° to 600° F	3	1200° to 1400° F	5
600° to 800° F	3½	1400° to 1700° F	6



Light in weight, Mono-Block cuts easily with a knife in straight lines or odd shapes. Mitres and angles are quickly made.



Pressed over a rivet head, Mono-Block yields without cracking or breaking.



The finished surface is smooth and flat despite underlying irregularities.



Mono-Block is packed in high-test corrugated cardboard boxes containing 50 bd. ft. each.

450073 B

450073 A

BALDWIN-HILL

Improved SUPER POWERHOUSE CEMENT

extra *white* insulating-finishing cement

Baldwin-Hill research has developed a new Super Powerhouse Cement which has increased dry coverage 30%! 100 lbs. now covers 72 sq ft. ½ in. thick besides providing an even more brilliant white finish.

B-H Improved Super Powerhouse is a dry mixture of high temperature resisting mineral wool, a hydraulic setting 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, hard, bright white, glazed finish. If desired, it may be painted without further treatment, or weatherproofed for outdoor service.

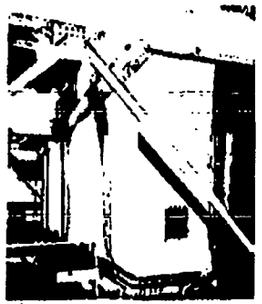
B-H Improved Super Powerhouse Cement, in one product, combines extremely easy troweling, insulating-finishing in a single coat, increased dry coverage, quick hydraulic setting, and negligible shrinkage on drying which insures tight joints and freedom from cracks. The excellent adhesive qualities of Improved Super Powerhouse make it popular with workers since it does not fall off during application.



Where weatherproofing is to be applied later, the surface of Super Powerhouse Cement is left rough-troweled.



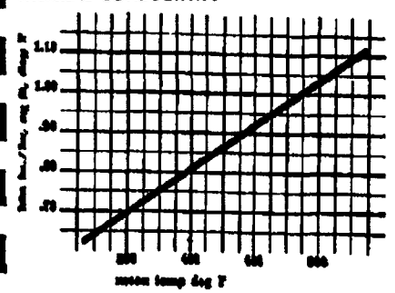
Photograph shows Improved Super Powerhouse in two stages of drying, small area, upper left, not dried to a brilliant white finish

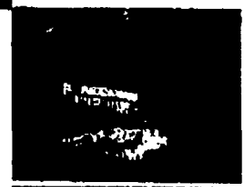


The smooth, white finish of B-H Improved Super Powerhouse Cement eliminates the need for painting

450074

THERMAL CONDUCTIVITY







HIGH ADHESION

- Upper backing plate
- Super Powerhouse Cement
- Sliced 85% magnesia block
- Lower backing plate

- Upper backing plate
- Super Powerhouse Cement
- Mineral wool block
- Lower backing plate

The bond is stronger than the block

Block insulations finished with B-H Improved Super Powerhouse Cement were pulled apart after dipping the outer faces in hot asphalt and otherwise fastening them to the backing pieces, as shown. The lower backing plate was held fast while a pull was exerted on the hook above. Note that failure occurred in the block insulation in each case.



Packed in 50 lb. multi-wall paper bags.

450075

B-H MONO-BLOCK
Provides low cost installation

Preparation
All vertical surfaces to have angle supports equal in size to thickness of insulation, welded to the surface of the vessel and spaced 6 ft. apart, starting at bottom.

Application of Block
Apply specified thickness of Mono-Block directly to metal surface, cutting to fit snugly all around supports, openings, etc. Apply a thin coat of B-H Bond-Tite to the surface of the block and press it firmly to the surface of the vessel. After the entire circumference has been filled, apply galvanized steel bands. Spacing of these bands is to be approximately 8 in. on centers. On vessels over 6 ft. in diameter, use ¾ in. wide bands 6 in. on centers. Space bands on circular heads 18 in. on centers at outside circumference.

Apply a ½ in. thick coat of B-H Improved Super Powerhouse Cement directly to the Mono-Block surface, filling all cracks and bringing to a level, true surface. Trowel smooth with a steel trowel. On surfaces subject to vibration or undue thermal expansion or contraction use 1 inch woven wire mesh reinforcing before applying Super Powerhouse Cement.

For Outside Use
All insulated units exposed to weather or excessive humidity should be protected as follows: After the finish layer of B-H Super Powerhouse Cement has dried, stretch poultry netting over it and cover with ½ in. of B-H Weathercoat, which when dried should not be less than ⅛ in. thick.



B-H Mono-Block is easy to handle, even in right pieces; may be impaled over welded studs without drilling.

The combination of B-H Mono-Block and B-H Super Powerhouse Cement speeds application because the cement may be applied directly and immediately to the block as shown.

B-H Mono-Block permits neat and efficient application where square edges butt tightly together.

450075 A

Improved SUPER POWERHOUSE
Insulating-Finishing CEMENT

Preparation
All surfaces of equipment to be insulated should be thoroughly cleaned. Remove all dirt, oil, loose scale, rust or paint. If it is not possible to remove old paint or other foreign material, apply a layer of No. 20 ga. galvanized wire mesh to the bare surface of the vessel to establish the proper bond.

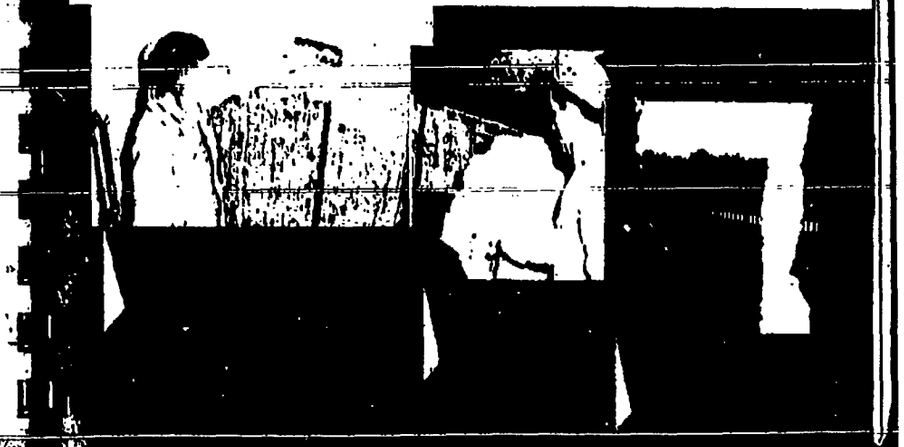
Water/Cement Ratio
Recommended water/cement ratio is 1.5 (9 gals. per 50 lb bag). Before applying cement to porous insulation such as magnesia, lime-silica or diatomaceous earth, moisten the block surfaces or use slightly more water in mixing cement.

Mixing
Mix thoroughly with clean water in correct proportion. Allow to soak 10 to 15 minutes before using, but use entire batch within two hours. Do not mix new cement with old, partially-set material. Always clean mixing box and tools thoroughly from previously set cement before mixing new batch.

Application of Cement
Apply as an insulating and finishing coat ½ in. to ½ in. thick over any type of insulating block, dried insulating cement, refractory or firebrick. It may be applied directly to expanded metal lath, woven wire mesh and irregular metal surfaces. Reinforcing wire mesh is not required for many applications. Highly suitable for monolithic construction.

For overhead application, a maximum of 1 in. thickness may be applied in one layer to expanded metal lath or other firm base. When weather-proofing materials are used, best application results can be obtained by use of a wood float on the surface of the Baldwin-Hill Super Powerhouse Cement. Contact nearest sales office for detailed application specifications.

Painting
The smooth, white, glazed surface gives B-H Improved Super Powerhouse Cement a fine finish. However, if color is required for identification or other purpose, the surface provides an excellent paint base. Water-base paints may be applied before drying is complete. Let surface dry before applying oil-base paints.



Complete Line of INDUSTRIAL INSULATIONS

B-H No. 101 PIPE INSULATION
Effective to 1200° F

MONO-KOVER PIPE INSULATION
Effective from -150° to 350° F

B-H CALCIUM SILICATE PIPE INSULATION
Effective from 550° to 1200° F

B-H 85% MAGNESIA PIPE INSULATION
Effective from 100° to 550° F

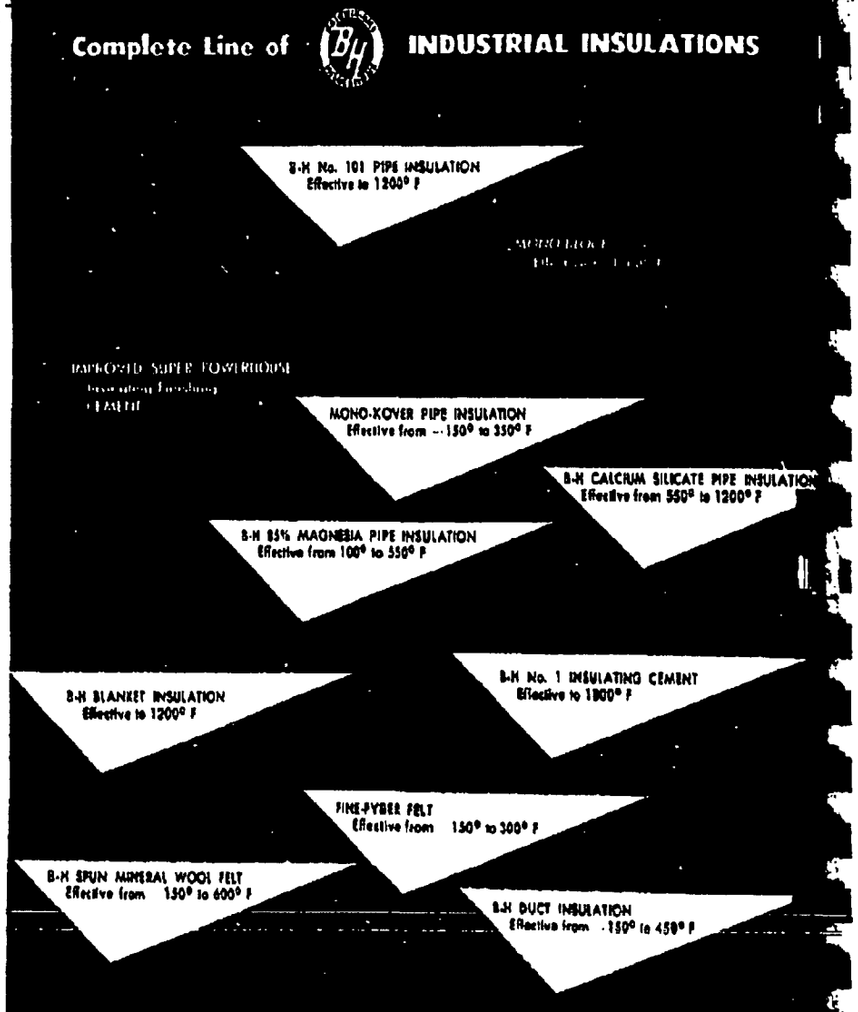
B-H BLANKET INSULATION
Effective to 1200° F

B-H No. 1 INSULATING CEMENT
Effective to 1800° F

FINE-FYBER FELT
Effective from 150° to 300° F

B-H SPUN MINERAL WOOL FELT
Effective from 150° to 600° F

B-H DUCT INSULATION
Effective from -150° to 450° F



BALDWIN-HILL COMPANY

Trenton, New Jersey

Plants

Trenton, N. J. Kalamazoo, Mich. Huntington, Ind. Temple, Tex.

Sales Offices

TRENTON, N. J. 500 Stevens Ave. NEW YORK, N. Y. 100 11th Ave.
CHICAGO, ILL. 600 S. Michigan Ave. HUNTINGTON, IND. 701 Broadway TEMPLE, TEX. 702 E. French St.

Printed in U.S.A.

450076

12-17-11M FP

BALDWIN-HILL COMPANY, TRENTON 2, NEW JERSEY

DATA SHEET

Product: Baldwin-Hill Spun Wool Blanket Insulation (Metal Mesh)

Description: Spun Mineral Wool enclosed between facings of flexible, metal fabrics, held together by metal tie wires.

Standard Types of Facings are:

1. 1-inch wire mesh both sides
2. 1-inch wire mesh and stucco lath
2A. 1-inch wire mesh and expanded metal lath
2B. 1-inch wire mesh 3/8" ribbed lath (rib turned in)
3. Stucco lath both sides
3A. Expanded metal lath both sides
3B. Stucco lath one side, expanded metal lath other side
4. Stucco lath and 3/8" ribbed lath (rib turned in)
4A. Stucco lath and 3/8" ribbed lath (rib turned out)
5. Stucco lath and 3/4" ribbed lath (rib turned in)
5A. Stucco lath and 3/4" ribbed lath (rib turned out)
6. 3/8" ribbed lath both sides
7. No. 12 mesh fly screen both sides
8. 3/8" ribbed lath (rib turned in) and 3/4" ribbed lath (rib turned out)

(See sheet for facing types and number of competitive mineral wool blankets)

Uses: For heated surfaces up to 1200F, in power plants, refineries and chemical plants. Used on tanks, towers, vessels, fan housings, turbines, ovens, breechings, boilers, etc.

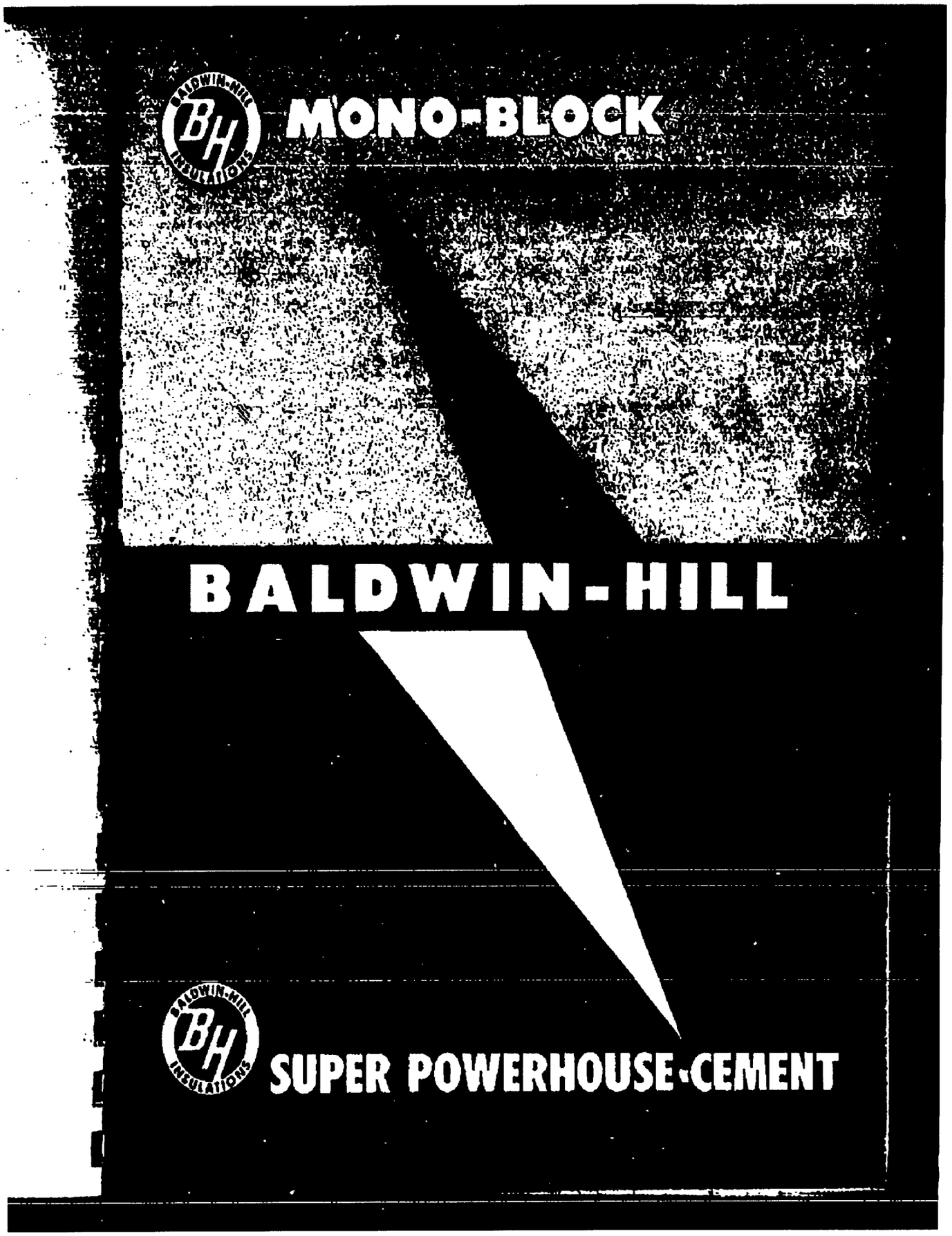
Features: Light-weight, made of Spun Mineral Wool. Factory-made, certified to meet requirements CS 117-49 for Blanket Insulation. Stable, resistant to vibration. Flexible, easily applied to any regular-curved, or flat surface.

Technical Data: Temperature Limit, maximum----------1200F (with special facings up to 1500F)

Sizes -	Length	-	48, 96 inches
	Width	-	24 inches
	Thicknesses	-	1 to 8" by 1/2" increments
Density		-	10 lb./cu. ft.
Thermal Conductivity		-	(also see attached sheet)

450077

Date: January 1, 1953 Supersedes: All Previous Section: D-3 Page: 2


BH
BALDWIN-HILL INSULATIONS
MONO-BLOCK
BALDWIN-HILL
BH
BALDWIN-HILL INSULATIONS
SUPER POWERHOUSE-CEMENT

BALDWIN-HILL

MONO-BLOCK—one block insulation effective over the full temperature range to 1700° F.

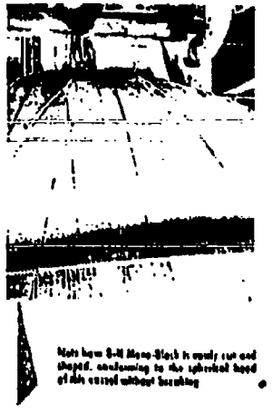
Mono-Block is fabricated from high temperature resisting minerals and is effective up to 1700° F. This eliminates the old-fashioned method of using two blocks, one low and one high temperature to cover the full temperature range.

Mono-Block is a felted block made of spun mineral wool by means of a patented B-H process. The spinning technique produces long, straight fibers which are felted into interwoven layers providing inherently good tensile strength and handleability. As a result, B-H Mono-Block is light, resilient and contains millions of tiny air cells which make possible its unusually high insulating qualities.

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



B-H Mono-Block is ideal for insulating high temperature ducts as is shown here being secured with wire anchored to studs.



Note how B-H Mono-Block is easily cut and shaped, conforming to the spherical head of this vessel without breaking



Large slabs of B-H Mono-Block permit rapid insulation of waterwalls. It is shown here painted with B-H Improved Super Powerhouse Cement.

USES

steam boilers
feedwater walls
ducts and breechings
fan housings
feedwater heaters
refinery towers, tanks
drying ovens
core ovens
heat treating ovens
annealing furnaces
enameling ovens
chemical treating tanks
brick kilns
waste heat flues, etc.



FEATURES

Easy to Apply

Light in weight, B-H Mono-Block is easily handled and readily cut into any desired shape. The felted surface of Mono-Block yields to surface projections so that a snug fit is obtained without cracking or breaking. Because Mono-Block is not brittle, it is easily impaled over studs without drilling holes.

High Strength

B-H Mono-Block is molded to actual specified thickness. It is not slit to size, as are most other insulating blocks, a process which removes the harder outer surface and impairs the strength. This extra roughness built into Mono-Block means negligible loss due to breakage in handling. It absorbs a considerable amount of impact without damage.

Highly Efficient

The efficiency of Mono-Block, due to the specially processed spun mineral wool fibers, is excellent even at temperatures as high as 1700° F. Mono-Block eliminates the need for two insulating blocks, insuring greater over-all efficiency and substantial savings in installation costs.

Non-Corrosive, Moisture-Resistant

The mineral wool in Mono-Block offers excellent resistance to moisture and attack by destructive chemicals. It is not corrosive when applied directly on aluminum, steel and other metals. Accidental wetting or soaking with water does not change the structure nor impair the insulating value of Mono-Block after drying-out.

Provides Excellent Surface for Finishing

The surface of Mono-Block is ideal for the application of B-H Improved Super Powerhouse Cement which adheres tenaciously and dries to a hard, high gloss in a bright white finish.

Low Linear Shrinkage on Heating

The low shrinkage of Mono-Block ensures tight joints and freedom from cracks.

SIZES

length—12, 36 inches
width—6, 12, 24 inches
thickness—1, 1½, 2, 2½, 3, 3½, 4 inches
other sizes available at slight additional cost

RECOMMENDED THICKNESSES

hot face temp.	thickness, in.	hot face temp.	thickness, in.
up to 200° F	1 to 1½	800° to 1000° F	4
200° to 350° F	2	1000° to 1200° F	4½
450° to 600° F	3	1200° to 1400° F	5
600° to 800° F	3½	1400° to 1700° F	6



Light in weight, Mono-Block cuts easily with a knife in straight lines or odd shapes. Miters and angles are quickly made.



Pressed over a steel head, Mono-Block yields without cracking or buckling.



The finished surface is smooth and flat despite embedding irregularities.



Mono-Block is packed in high-test corrugated cardboard boxes containing 16 bd. ft. each.

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BALDWIN-HILL

Improved SUPER POWERHOUSE CEMENT

extra *white* insulating-finishing cement

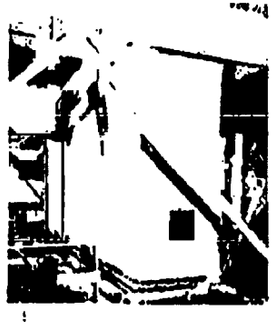
Baldwin-Hill research has developed a new Super Powerhouse Cement which has increased dry coverage 50%! 100 lbs. now covers 72 sq ft, ½ in. thick besides providing an even more brilliant white finish.

B-H Improved Super Powerhouse is a dry mixture of high temperature resisting mineral wool, a hydraulic setting 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, hard, bright white, glazed finish. If desired, it may be painted without further treatment, or weatherproofed for outdoor service.

B-H Improved Super Powerhouse Cement, in one product, combines extremely easy mixing, insulating-finishing in a single coat, increased dry coverage, quick hydraulic setting, and negligible shrinkage on drying which insures tight joints and freedom from cracks. The excellent adhesive qualities of Improved Super Powerhouse make it popular with workers since it does not fall off during application.



Photograph shows Improved Super Powerhouse in two stages of drying. Small one, upper left, has dried to a brilliant white finish.

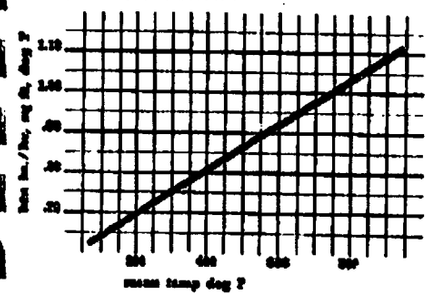


The smooth, white finish of B-H Improved Super Powerhouse Cement eliminates the need for painting.



Where weatherproofing is to be applied later, the result of Super Powerhouse Cement is left rough-troweled.

THERMAL CONDUCTIVITY



HIGH ADHESION



- Upper backing plate
- Super Powerhouse Cement
- Mixed 85% magnesia block
- Lower backing plate



- Upper backing plate
- Super Powerhouse Cement
- Mineral wool block
- Lower backing plate

The bond is stronger than the block

Block insulations finished with B-H Improved Super Powerhouse Cement were pulled apart after dipping the outer faces in hot asphalt and adhering them to the backing pieces, as shown. The lower backing plate was held fast while a pull was exerted on the hook above. Note that failure occurred in the block insulation in each case.



Packed in 50 lb. multi-wall paper bags.

Complete Line of INDUSTRIAL INSULATIONS

B-H No. 101 PIPE INSULATION
Effective to 1200° F

MONO-KOVER PIPE INSULATION
Effective from 150° to 350° F

B-H CALCIUM SILICATE PIPE INSULATION
Effective from 550° to 1200° F

B-H 85% MAGNESIA PIPE INSULATION
Effective from 100° to 550° F

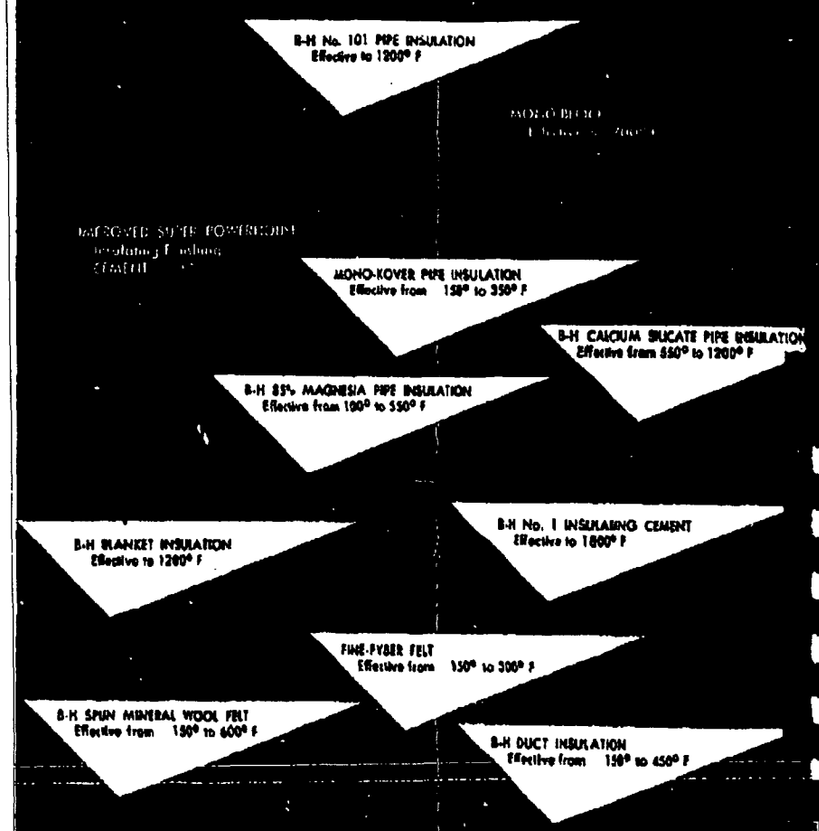
B-H BLANKET INSULATION
Effective to 1200° F

B-H No. 1 INSULATING CEMENT
Effective to 1800° F

FINE-FYBER FELT
Effective from 150° to 300° F

B-H SPUN MINERAL WOOL FELT
Effective from 150° to 600° F

B-H DUCT INSULATION
Effective from 150° to 450° F



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