

Other Pabco Insulation Products

ALUMI-SHIELD is "Precision Molded" Caltemp pipe insulation with a factory-applied aluminum jacket. The inside surface of the jacket has an integral, laminated polyethylene vapor barrier. Alumi-Shield is especially recommended for outdoor installations in power generation and process industries operating at temperatures to 1350F.

"PRECISION MOLDED" 85% MAGNESIA, for temperatures to 600F. Ideal for heated piping and equipment in schools, hotels, hospitals, public buildings, ships and industrial installations of all types. Light-Density type Pabco "Precision Molded" 85% Magnesia sets a new, high standard of performance in every field of heat insulation.

PRASCO 15-C, for temperatures to 1500F on heated piping and equipment. This insulation is composed of diatomaceous earth and a bonding agent mixed to the proper proportions to withstand high temperatures. Use Prasco 15-C alone or in combination with "Precision Molded" 85% Magnesia or Caltemp Insulation.

PRASCO 19-C, for temperatures to 1900F. Available in block form only. This is a diatomaceous silica type of high-temperature material, using calcined diatomaceous earth with a suitable binder and blended with asbestos fibers. Use Prasco 19-C alone or in combination with "Precision Molded" 85% Magnesia or Caltemp. Prasco 15-C and 19-C are also supplied in curved or radius blocks.

CEMENTS, for Caltemp, 85% Magnesia and Prasco 15-C, are available made of the same material as the insulation, but in powdered, dry form. These cements are mixed with water to the proper consistency for trowel application. Pabco Hydraulic Setting Cement is also available for all types of insulations. This is a finishing cement and an insulating cement that is smoother, goes on easier, and offers up to 25% greater coverage than comparable cements.

PABCO-GLAS INSULATION*, for every industrial and commercial insulation need. Pabco offers one of the most complete lines of glass insulations in the industry. This wide selection of types, sizes and densities permits the designer to obtain a desirable combination of cost, performance and appearance.

PAB-FLEX ASBESTOS-CEMENT SHEETS*, for a variety of industrial and commercial applications: for a protective facing over cold storage room insulation; for a weather-proof facing over insulation on outdoor tanks and vessels; for cooling towers; for fume hoods and ducts.

INTEGRAL JACKETING, made to your specifications as a factory-applied weather-proofing jacket. Jacketing also available in rolls or cut to your job requirements.

*Available only in the West.

PABCO

INDUSTRIAL PRODUCTS DIVISION • FIBREBOARD PAPER PRODUCTS CORPORATION, SAN FRANCISCO

Manufacturer of Heat Insulations Since 1920

For Case Histories or Engineering Consultation, contact one of Pabco's Insulation Engineers.

Engineering Service Units in Principal Cities.

PRASCO® 15-C PIPE AND BLOCK INSULATION

Prasco 15-C is recommended for service to 1500F. It is made of diatomaceous silica blended with other minerals and asbestos fiber.

Generally, it is used in conjunction with Pabco 85% Magnesia or Caltemp—the inner layer of Prasco reduces the temperature to the point where the other materials can be used on the outer side. The net result is greater insulating value for a given service temperature and thickness.

PRASCO 19-C BLOCK INSULATION ONLY

Prasco 19-C offers a combination of high stability with low conductivity at the very high temperature range of 1500-1900F. It has been used for many years with safety and satisfaction by those firms requiring the greatest of heat transfer protection.

PHYSICAL PROPERTIES

SUPER CALTEMP

Thermal Conductivity:

Mean Temperature F.	"K" Factor
100	.288
200	.343
300	.400
400	.450
500	.505
600	.560
700	.615
800	.670
900	.724
1000	.778

Weight: 12 lbs. $\pm$ 1/2 lb. per cubic foot

Compressive Strength:

At 5% deformation—110 psi. average
After boiling 24 hours (while wet),
approximately 50% of dry strength.

Flexural Strength: 75 psi. average

Linear Shrinkage: 24 hour heat soaking
period at 1500F.—1 to 2%.

Loss in Weight: After heat soaking for 24
hours at 1500F., approximately 10%.

Government Specifications:

Military Specification Number
MIL-I-2819
23 Oct. 1961
Classes 1 & 2

Federal Specification Number
HH-I-523a
Amendment 2,
23 May 1961

Qualification Products List
EES 610551

Available in Block Only

PRASCO 15-C

Thermal Conductivity:

Mean Temperature F.	"K" Factor
100	.474
200	.501
300	.530
400	.560
500	.590
600	.618
700	.648
800	.677
900	.707
1000	.735

Weight: 23 $\pm$ 2 lbs. per cubic foot

Compressive Strength:

At 5% deformation—85 psi. average

Linear Shrinkage: 24 hour heat soaking
period at 1500F.—1 to 2%.

Government Specifications:

Military Specification Number

Pipe
MIL-I-2781
Amendment 1,
9 Dec. 1960
Grade III, Class e.
Type II

Block
MIL-I-2819
23 Oct. 1961
Class 3

Federal Specification Number

Pipe
None
Block
None

Qualification Products List

Pipe
Prasco
EES B-6886
Block
Prasco
EES B-6886

PRASCO 19-C

Thermal Conductivity:

Mean Temperature F.	"K" Factor
200	.668
300	.685
400	.700
500	.718
600	.735
700	.755
800	.770
900	.788
1000	.806
1100	.845
1200	.875
1300	.915
1400	.955

Weight: 23 $\pm$ 2 lbs. per cubic foot

Compressive Strength:

At 5% deformation—85 psi. average

Linear Shrinkage: 24 hour heat soaking
period at 1900 F.—1 to 2%.

Government Specifications:

Military Specification Number
MIL-I-2819
23 Oct. 1961
Class 3

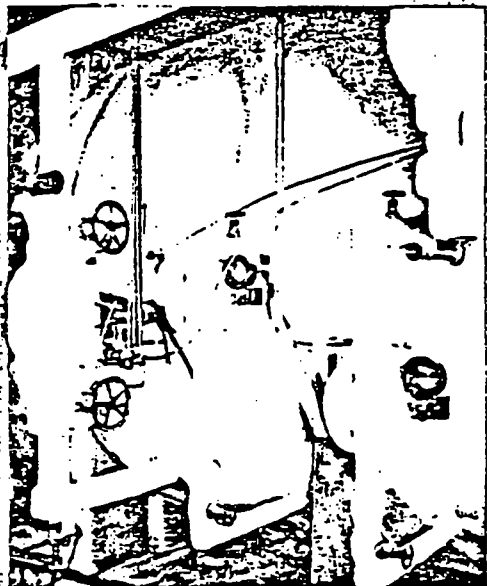
Federal Specification Number
None

Qualification Products List
Prasco
EES B-6886

Available in Block Only

PRASCO 15-C HIGH TEMPERATURE CEMENT

This high temperature cement is the answer for insulating cement needs to 1500F. It is made of the same material as regular molded 15-C Prasco, but in powdered dry form. Thus the excellent qualities of Prasco are yours in this highly efficient cement.



THE SPECIFICATIONS:

1. Particularly recommended in the 1200F to 1500F range.
2. Off-white in color.
3. Packed in 50 lb. bags with a covering capacity of 40 square feet, $\frac{1}{2}$ inch thick per bag. Each bag has a cubical content of 4 cubic feet.
4. Can be mixed with water to a consistency desired by the applicator. Use of a trowel is particularly recommended.
5. When a thick surface is desired over a large area, it is recommended that layers, approximately $\frac{1}{4}$ " thick, be applied and allowed to dry before the next coat is applied.
6. Prasco Cement is easily workable and provides a safe and economical binding and filling agent.

COMPLIANCE WITH FEDERAL SPECIFICATIONS

PRASCO CEMENT: Military Specification—None

Federal Specification Number
HH-I-00500
May 24, 1956

CALTEMP CEMENT: Military Specification—None

Federal Specification Number
HH-I-523a
Amendment 2
May 23, 1961

85% MAGNESIA CEMENT: Military Specification—MIL-P-2886
Sept. 4, 1951

Federal Specification Number
HH-I-00500
May 24, 1956

F-I CEMENT:

This cement does not meet present government specifications. In supplying various agencies of the U.S. Government with this cement, we have qualified our quotations with the notation that our cement is "Best Commercial Quality."