

Research Center
December 9, 1953

R. Jacobs - Manville

Competitive Insulation Study

The following samples of competitive insulation received during November, 1953 have been sent to you for physical tests.

Type	Mfg.	Pipe Covering	Sect	Blocks	No.
✓ Mag.	Ehret	✓ 5 x 1 x 36	3	✓ 1 x 6 x 36	5
"	"	✓ 16 x 1-1/2 x 36	3	✓ 3 x 6 x 36	5
✓ Mag.	Pabco	✓ 5 x 1 x 36	5	✓ 1 x 6 x 36	5
"	"	✓ 16 x 1-1/2 x 36	2	✓ 2 x 6 x 36	5
"	"	✓ 16 x 2-1/2 x 36	1	✓ 3 x 6 x 36	5
"	"	✓ 19 x 1-1/2 x 36-Seg	5		
Mag.	K & M	✓ 12 x 1-1/2 x 36	1	✓ 1 x 6 x 36	5
		✓ 12 x 2 x 36	1	✓ 3 x 6 x 36	5
Mag.	Mundet	✓ 5 x 1 x 36	5	✓ 1 x 6 x 36	5
		✓ 16 x 1-1/2 x 36	1	✓ 3 x 6 x 36	5
		✓ 8 x 3 x 36 (D. L.)	1		
Lime-Silica	Pabco				
"	(Caltemp)	✓ 5 x 1 x 36	5	✓ 1 x 6 x 36	5
"	Pabco				
"	(Caltemp)	✓ 12 x 1-1/2 x 36	1	✓ 3 x 6 x 36	5
"	Pabco				
"	(Caltemp)	✓ 12 x 3 x 36 (D. L.)	2		
Lime Silica	K&M				
"	(Kaytherm)	none received		✓ 1 x 6 x 36	5
"	K&M				
"	(Kaytherm)			✓ 3 x 6 x 36	5
Superex	Pabco				
1500°	(Prasco 15C)	✓ 5 x 1-1/2 x 36	4	✓ 1 x 6 x 36	5
Superex	Pabco				
1500°	(Prasco 15C)	✓ 3 x 1-1/2 x 36	4	✓ 3 x 6 x 36	5
Superex	Pabco				
1500°	(Prasco 15C)	✓ 12 x 1-1/2 x 36 (seg)	1		
Superex	Pabco				
1900°	(Prasco 19C)	none received		✓ 1 x 6 x 36	5
Superex	Pabco				
1900°	(Prasco 19C)			✓ 3 x 6 x 36	5

It is requested that physical properties be determined as follows: density; flexural strength; abrasion; hardness; 1200F heat soak resistance; shrinkage and weight loss, and moisture content.

*John - Kaylo. - same as above.
Kaylo is a division of the Owens-Illinois Glass Co.
Toledo, Ohio.*

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All insulation received to date has been photographed, and inspected for dimensions and appearance by Manville Quality Control.

Similar sizes of Johns-Manville Thermobestos and N.P. Magnesia have been ordered and will be sent to you in due course for physical property tests.

Samples of the competitive blocks and pipe covering have been submitted for conductivity and hot pipe tests.

Please include all people shown on this distribution list when the physical properties are reported.



J. C. Rademaker

bjd

cc: S. Collier - GH
J. E. Begert - GH
P. D. Cannon - DE
C. A. deVyver - DH
E. C. Lindstrom - DH
R. C. Parlett - DH
A. B. Cummins - Research
E. R. Williams - Research
E. A. Farrell - Research
J. C. Rademaker - Research
File: 432