



Westinghouse

FROM Lester Plant - Steam Division

DATE January 5, 1962

SUBJECT Insulating Block

"R-14"

Large Turbine Erection & Test
Mr. J. I. Jones

The following is a list of suppliers and trade names of materials 7308 and 7309-1.

<u>Material</u>	<u>Supplier</u>	<u>Trade Name</u>
7308	Baldwin-Ehret-Hill Johns-Manville Owens-Coming Philip Carey Ruberoid	Themasil Thermobestos Kaylo Carey-Temp. — 1100° Calsillite
7309-1	Johns-Manville Keasbey & Mattison Owens-Coming Philip Carey Baldwin-Ehret-Hill	Superex-M K & M Hy-Temp. Kaylo-20 Carey Hi-Temp. 19 Enduro Hi-Temp.

The main difference between these two materials is that the 7308 is a better insulator than 7309-1, but does not have as high a temperature limit (1200° vs 1600°).

Since we have present application for 7309-1 (gas turbine combustors operate at over 1200°) and eventually steam turbines will go over 1200°; we can't depend on using 7308 exclusively. Also, since we use two layer insulation for anything over 600°, we use the 7309-1 to take the initial heat shock and the 7308 (because it's a better insulator) on the outer layer.

I am also attaching the latest standard book pages on insulation, which you might find useful.

Steam Division - Standards Engrg. - Processes - M. Dorfman

Attachment

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