INTERNAL CORRESPONDENCE
FORM 20040

PLAINTIFF'S EXHIBIT
WH-869

PENGAD-Bayonne,N.J.

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.

Material	Supplier	Trade Name
7308	Baldwin-Ehret-Hill	Thermasil
	Johns-Manville	Thermobestos
	Owens-Corning	Kaylo
	Philip Carey	Carey-Temp. — MW1
	Ruberoid	Calsilite
7309-1	Johns-Manville	Superex-M
	Keasbey & Mattison	K & M Hy-Temp.
	Owens-Corning	Kaylo-20
	Philip Carey	Carey Hi-Temp. 19
	Baldwin-Ehret-Hill	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.

M. Dorfman

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

Attachment

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