

Intra-company correspondence

to: Memo For The Record

subject: HIGH TEMPERATURE INDUSTRIAL
INSULATION MEETING JUNE 17, 1970

from: P. T. Saverstrom - Toledo

date: June 22, 1970

cc: R. O. Richards - Granville
R. E. Davis - Granville
R. J. Hughes - Granville
✓ R. F. Shannon - Granville
J. P. Kern
R. K. Biggers - New York
D. C. Glosser
H. V. Smith - 11
A. J. Pearson - 25
G. T. Faherty
D. M. Barthold - 25

The following summarizes the discussion held on subject meeting:

Power and Process Insulation

Survey results were reported with the overall consensus that OCF should continue development work on a second-generation high temperature insulation. The immediate threat of mineral wool pipe covering is not significant nationally to warrant development funds at this time. PFCS tested to 1000°F. appears to be a superior product to Alumafelt and MF pipe covering. We will attempt to get PTL approval for this application the week of July 6.

The characteristics agreed upon for our H.T.I.S. pipe, board, and fitting products are:

Maximum Temperature	1050°F.
Maximum Density	13 PCF
Compressive Strength (Retained)	75-80 percent of Kaylo
Light Rain Resistant (Initial)	Maximum 2-3 percent absorption moisture in 24 hours
Minimum Dusting	

This product will essentially be an improved multi-temp. So that an economically feasible product can be sold, it was agreed that prime effort should be placed on a one-step manufacturing process. The filter press was discussed as being a candidate to achieve this process.

Possible formulations will be reviewed and an economic evaluation done by August 15, 1970.

Some initial work on micro-wave drying has also been done with fair results. A sample was dried in four minutes versus the eight hours necessary with



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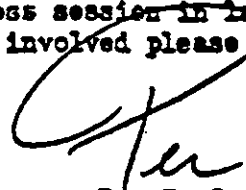
the Ross oven. Final economics on this approach will be accumulated after marketing provides a more detailed sales forecast by units rather than dollars. This will be done by July 15, 1970 and the economic analysis by August 15, 1970.

Project priorities will remain the same and a revised P.O.R. for H.T.I.S. done by July 15, 1970. It is requested that a new benefit cost ratio be determined on the new figures by August 1, 1970.

Commercialization of H.T.I.S. is still projected for late 1972.

Asbestos-free Kaylo was briefly discussed with marketing's input that asbestos containing products are becoming more and more a topic for discussion with design engineers and owners. Product development reported that a 15 pound, 4 percent glass product could be made. However, economics are not favorable in light of marketing's claim that no premium could be had.

Marketing would like a review and progress session in late August, preferably August 27. Will all parties involved please indicate whether this date is satisfactory?



Per T. Saverstrom

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