

REYNOLDS ALUMINUM

RESEARCH AND DEVELOPMENT

1979 September 27

Johns Manville Sales Corporation
Ken-Caryl Ranch
P. O. Box 5108
Denver, Colorado 80217

Attn: Carl Weber

Dear Carl:

Thank you for clarifying the Marinite "C" composition questions posed by the Pyrotek information.

We are pleased that the Marinite C designation will continue and that Johns Manville recognizes the strength shortcomings of this board. Any improvement in flexural strength is highly desirable.

I want to expand my comments relative to our casting operations "qualifying" for certain critical, high volume end products. In some cases, this process consumes a year in a stepwise progression.

Whenever a material is changed that is in contact with molten metal about to be solidified, a requalification may be necessary. Obviously, any rapid change in approved materials may be troublesome. It is especially difficult now as we convert to non-asbestos containing boards, which we wish to do in a rapid and orderly fashion. It would be very helpful if we could be notified by Johns Manville (rather than the present fabricator inputs) of significant property and/or compositional changes that might be implemented. Also helpful would be access to samples for testing, prototype fabrication, and prototype evaluation.

Those persons who have had some opportunity to use Marinite C appear to be convinced that they can and prefer to make the conversion. Most want some property improved so as to better serve their purposes. Our minimum need is (1) low chemical reactivity with our alloy mix, (2) low outgassing, especially of water that

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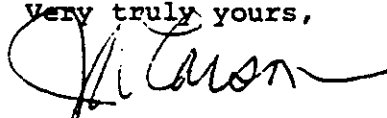
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aggravates our hydrogen problems, and (3) greater strength, flexural in particular.

Please be assured of our interest in Marinite C and our desire to cooperate in the transition to it.

Very truly yours,



J. W. Carson

JWC/mjs

cc: S. A. Levy - MRD
E. A. Basque - ExO
K. Grandstaff - BC/BS

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