



intra-company correspondence

to D. L. Western - Toledo 23

from R. F. Shannon - Granville 62

date March 3, 1971

subject TENTATIVE CAS FOR FYRCOR

cc: D. W. Anthony - Toledo 12
 F. O'W. Brisley - Toledo 12
 D. C. Glosser - Toledo 23
 E. J. Mirra - Toledo 12
 N. C. Nielsen - Bloomington
 X. O. Preston - Bloomington
 Central Files

Thanks for covering me with a copy of the tentative Fyrcor CAS you submitted to Keith Preston for review prior to issuance. I'm sure Keith and his people will go over the proposed specification in depth to make sure the plant can live with the CAS as written. Thus, comments on my part may be repetitious. Nevertheless, I would like to call your attention to the following:

- good*
1. In the general description section of the CAS, you describe the product as containing asbestos, silica and other inorganic materials. To many, the terms asbestos and silica will raise "red flags". They will get our customers thinking about asbestosis and silicosis. Wouldn't it be better to describe the product as a hydrous calcium silicate reinforced with inorganic fibers.

- based on UL makes*
2. I note in the Product Requirements section, you often list the same number for both the Specification and Reject Point with zero tolerance. For instance, the moisture absorption specification is 5%, rejection is anything exceeding 5% by weight with a +0 tolerance. I don't see how the plant can live with zero tolerances. Also, the CAS as written indicates the product we are producing is extremely marginal since we list the same number for product specification as we do for minimum rejection. For Kaylo, we list as the specification the nominal value we get for the product being produced at Berlin; the tolerance reflects the plus/minus variations in value due to processing and the reject point is the value beyond which we do not ship. For instance, for Kaylo 10 linear shrinkage, we normally get a shrinkage of 1.4%. Due to process variables, shrinkage normally varies from about 1.1% to 1.8%. Thus, we list as the linear shrinkage specification for Kaylo 10 a value of 1.5%, a tolerance of $\pm 0.5\%$, and a reject point of 2.0% above which we do not ship.

- 0.19 pcf density is in at minimum for 5000 ft. only.*
3. We have removed Density from all Kaylo CAS's (with the concurrence of H. V. Smith). It is our contention we sell "performance", not material by the pound. In your case, you may have to list product density since you are conforming to various Marine and UL specifications. You may not want to tie yourself to a tight plus/minus weight tolerance or reject point. To illustrate, if a lot of boards test out at 19.9 pcf density but meet all other product specifications, would you ship or reject? If you tie yourself to a 22 $\pm$ 2 pcf specification, you would have to. Maybe you want an upper reject point only.

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EXHIBIT

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Tentative CAS for Pyrocer

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- ✓ 4. I note for individual flex strength values, you list as the reject point "indiv. not less than 300." Shouldn't you remove the word "not"?

R. F. Shannon
R. F. Shannon

RFS:rl

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