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GENERAL RESEARCH DIVISION

HYDROUS CALCIUM SILICATES

PART V

2168 - Copy 2

Physical and Chemical Properties
of Kaylo Products

Copies to: Mr. J. G. King (2)
~~Mr. C. G. Burch~~ (6.5.67)
Mr. T. C. Taylor
Mr. W. M. Hankins
Mr. E. C. Shuman
Mr. H. M. Bergin - Collingswood
Mr. J. W. Hackett
General Research (2)

Prepared by G. L. Kolowich

Approved by W. C. Taylor

Noted by J. W. Hackett

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XII. OTHER PROPERTIES OF KAYLO

Kaylo is not an efficient acoustical insulator; its effectiveness in this respect approaches that of a plaster wall. The air cells are too small to effectively dampen the sound waves.

The dust of kaylo consists of a hydrous calcium silicate and asbestos and the hazards of such dust to health have been investigated by the Trudeau Laboratories at Saranac Lake, N. Y. The hydrous calcium silicate is harmless, and the asbestos manifested the usual effect of this mineral. The actual hazard to health of those handling kaylo was considered to be small.

The hydrous calcium silicates forming in kaylo possess unusually large surface areas in the order of 100 to 130 M^2/g. and therefore have potential uses as adsorbents. Studies were made of this property. The results indicate that these products would probably be restricted for use in contact with aqueous solution, having relatively high pH.

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