

Mr. E. F. Duke - Bound Brook
Messrs. Cowan and Dittenhoefer

March 27, 1946

PLAINTIFF'S
EXHIBIT
GF-2411

CALSILITE - SPEEDING TIME OF SET

The following U. S. patent assigned to Armstrong Cork Company may possibly contain some points of interest in connection with your attempts to speed up the reaction time of Calsilite:

No. 2,396,246 - March 12, 1946 - Conral C. Callis

You will note that this patent involves a composition consisting of:

- (a) Reactive monohydrated alumina, produced by kauxite or any other alumina-containing mineral.
- (b) Lime.
- (c) Asbestos fibers.

It is claimed that the reaction between the lime and monohydrated alumina would take place at about room temperature, after which:

"The block may be dried by heating to an elevated temperature from about 150° to 400° F. or higher. The elevated temperature is not used to effectuate the reaction between the alkaline earth oxide and the monohydrated alumina as this reaction should take place at about room temperature to produce a well bonded, light-weight material having good insulating properties."

The finished product is used for insulating purposes and seems to have very good thermal-conductivity and strength.

It is also claimed to withstand temperatures as high as 1900° F.

However, no mention is made as to what the weight of the material runs per cubic foot or whether the product is suitable for pipe insulation.

President

HA:G.

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