

Mr. C. E. Bakert - South Bound Brook

November 9, 1951

Messrs. VanAlkin - High - Gordon - Danaher - Robinson

CALCILITE #1 RESEARCH PROJECT - DEVELOPMENT OF LIGHTWEIGHT CALCILITE
FORMULA 176 - LABORATORY REPORT U-51

I hasten to acknowledge receipt of your letter of November 8, which answers the various points raised in my prior letter to you dated the 7th.

When Mr. Gordon finds time, I should very much like to have him give consideration to Canadian Patent No. 476,897 issued September 11, 1951 to R. Levon and G. P. Leeshish, referred to in my letter to you dated October 4. This patent, you will note, covers two interesting features:

1. The use of an "accelerator" in a calcium-silicate type of insulation (preferably sodium-hydroxide) which is aimed to result in "presetting" and cutting down the autoclaving time.
2. A device for properly aligning the asbestos fibres referred to in the patent as "steam-heated fingers".

I shall accordingly await your further observations with considerable interest.

President

WASG.

01-0213950

GAF 22774

The RUBEROID Co.

SOUTH BOUND BROOK, N. J.

MANC 1451

For Attention Mr. H. Abraham, Pres. - New York

Date November 13, 1951

Copy to Messrs. Van Akin, High, Gordon, Danaher, Robinson

Reference Your letters
Oct. 4 and Nov. 9
1951

Subject

CAISILITE #1 RESEARCH PROJECT - DEVELOPMENT OF LIGHTWEIGHT CAISILITE
FORMULA - CANADIAN PATENT 476,897

Canadian Patent 476,897, September 11, 1951, assigned to Fabco,
is the same as U. S. Patent 2,483,498 of October 1949.

In answer to the questions brought up in your letter of October 4.

We use uncalcined diatomaceous earth in all our Caisilite formulations as well as dry lime hydrate and asbestos fiber. Sodium hydroxide is used as an accelerator for formulas 174 and 176 which are low density formulations. Steam heated fingers cannot be successfully used in our present type of molds. Vertical molds are necessary for this purpose. Our best formulation to date for preset slurry is 46-H-9 in which sodium silicate is also used as an accelerator. This formulation can be preset in either horizontal or vertical molds. This is the formula we plan to experiment with first in Mr. Van Akin's proposed continuous preset molding process.

Our present standard slurry 119B-FC cannot be preset by any means of heating to 212°F. In the fabco process the steam heated fingers no doubt are of an advantage both in presetting the formulation and also in aligning the fibers. This type of device is not practical for our present molds.


C. R. ECKERT

CRS:mlk

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