

Mr. W. G. Cowan

Nov. 29, 1945

Messrs. Duke and Outig

PLAINTIFF'S
EXHIBIT
GF-2418

J-M - HIGH TEMPERATURE INSULATION

I call your attention to the following U.S. patent just issued to Johns-Manville Corporation:

No. 2,348,549 - November 6, 1945 - E. A. Kieselbach and
E. R. Williams

This product seems to be somewhat along the lines of our Calsilite and is prepared from a mixture of diatomaceous silica, bentonite, magnesium carbonate, asbestos fibres, for which it is claimed, among other things:

- (a) That it will withstand temperatures up to 2000°F.
- (b) That it may be molded to precise dimensions without undue shrinkage or loss in material in the form of trimming waste.
- (c) That it has improved strength and insulation value over the full temperature range.

You will note that this mixture is set in the mold by steam curing, and according to the patent, is virtually of a "precision molded" type similar to Plant Rubber & Asbestos magnesia.

The basis of the invention consists in the type of diatomaceous silica which is used.

The particular points of interest to us in connection with our Calsilite formula are:

1. The use of calcined diatomaceous silica in the presence of a small amount of sodium carbonate.
2. The incorporation of a small percentage of magnesium carbonate.
3. The incorporation of a small percentage of bentonite, which is claimed to react with the silica, forming a "strong silicate".

I am sending copies of this letter to Messrs. Duke and Outig, so that they may study over the patent in question.

President

RA:G.

01-0213927

GAF 22751

Canadian Patent No. 392,480 - November 12, 1940 -
G. B. Brown (J. H. Corp)

(A mixture of asbestos, hydrated lime and diatomaceous earth, is shaped against a filter and heated to effect a reaction of the last two ingredients.)

Contains at least 50% by weight of amorphous silica.

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