

FILE NAME: Keene (KNE)

DATE: June 12, 1970

DOC#: KNE035

DOCUMENT DESCRIPTION: 1970 June 12 Letter to Circle B
Company regarding Pyrospray Fire Proofing

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KEENE
CORPORATION

SOUND CONTROL DIVISION

U. S. No. 1 • PRINCETON, NEW JERSEY 08540 • TELEPHONE (609) 452-8800

June 12, 1970

Mr. Bruce Morford
CIRCLE B COMPANY, INC.
11219 House Street
Acton, Indiana

Re: Pyrospray Fire Proofing

Dear Bruce:

With reference to our conversation of yesterday pertaining to the fire proofing of St. Francis Hospital Project, Beech Grove, Indiana, we are pleased to submit the following information. It is anticipated this information will be given to the architect, Bohlen, Burns and Associates, 1308 North Meridian St., Indianapolis, Indiana, 46202, for consideration of approval of Pyrospray Fire Proofing.

Some time ago, a structural engineer in Philadelphia was inquiring as to the amount of asbestos which would be installed in a building taking into consideration various fire proofing products. This particular job encompassed a 4 hour beam rating.

Currently our Pyrospray Type I Fire Proofing formulation contains 32% Chrysotile asbestos by weight. For the application required a 3/8" thickness of Pyrospray would be applied to the beam surface. Thus, the total amount of asbestos present per square foot of exposed surface would be 0.11 pounds.

Mono-Kote Fire Proofing is manufactured by W. R. Grace Company and is currently formulated using 10% by weight Chrysotile asbestos. To produce the fire retardant rating a 1/2" thickness of material would be required and the resulting asbestos content per square foot based on a 22 pound per cubic foot density would be 0.09 pounds. When comparing the two products, it can be noted the asbestos content based on the volume of material installed becomes insignificant.

In New York City the Commissioner of Air Resources and the Administrator of Environmental Protection have recently issued stringent rules pertaining to the installation of all sprayable fire proofing materials, (cementitious materials included).



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Mr. Bruce Morford
Circle B Company, Inc.
June 12, 1970

Page 2

001378

These rules basically pertain to adequate protection to the workmen, proper tarping of the buildings to prevent over-spray from blowing throughout the city, and requirements as to proper clean-up and housekeeping. The situation had become very bad in the city and the manufacturers agree with the city officials that these precautions should be heeded.

With respect to fire proofing installed in buildings in areas which are to be used as air plenums, we are pleased to state that Pyrospray Type I meets the latest G.S.A. requirements. We are enclosing a copy of air erosion test report as well as a copy of a reprint describing the test procedure and the requirements established by G.S.A.

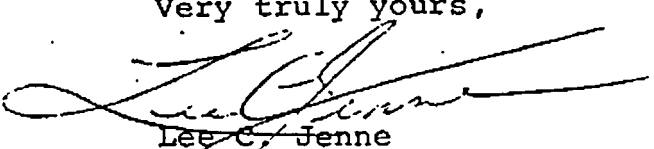
Some time ago, the Sprayed Mineral Fiber Manufacturers Association engaged the services of William R. Bradley and Associates, Environmental Health Consultants, to determine any presence of asbestos fibers in the air of buildings which had been fire proffed with Sprayed Mineral Fiber products. You will note from the enclosed report that the determination by air sampling and microscopic evaluation revealed that there was no asbestos fiber of respirable size in the work environment of the buildings studied. Please note that it is stated in the summary of the report that there was no exposure of dust in general that would lead to lung involvement on the part of employees or the general public using the structures tested. The studies determined that there was greater exposure to dust of any nature outdoors than in the areas of the occupied buildings.

For your interest we are also enclosing a copy of a study recently conducted in England entitled "A Dust Survey Carried Out in Buildings Incorporating Asbestos-Based Materials in Their Construction". Please note the last paragraph on Page 145 which reads as follows:

"In our present state of knowledge, the dust concentrations found in completed buildings incorporating asbestos-based products in their construction are not considered likely to constitute a hazard to the health of the occupants."

We appreciate your interest and concern relative to asbestos fibers and hope you realize that a lot of the adverse comments have been by a number of people who are non-technical and uninformed of the facts. We hope what is being submitted will prove of value and as additional information becomes available, we will be more than pleased to keep you informed.

Very truly yours,



Lee C. Jenne
Manager
Spray Products

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Enclosures

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