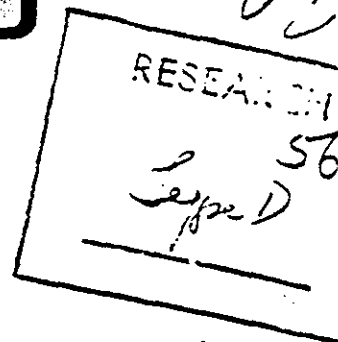




07874

May 5, 1964

Mr. M. Glenn Gaer
International Testing Laboratories, Inc.
578-582 Market Street
Newark, New Jersey 07105

Dear Mr. Gaer:

We are in receipt of the Dusting and Flaking Test on CAFCO BLAZE-SHIELD Type D (untamped), Test Report 281391. We wonder if, by error, your secretary typed up the text from the original BLAZE-SHIELD test, which differed slightly from this test. We therefore request the following changes.

On the original cover, would you kindly indicate "Report of Test on Dusting and Flaking of CAFCO BLAZE-SHIELD TYPE D FIBER (UNTAMPED) for Columbia Acoustics and Fireproofing Company division of United States Mineral Wool Company, Stanhope, New Jersey 07874".

The title page of the report is satisfactory.

In the report page we suggest the following text: (Note: We checked the impinging air velocity to be about 860 ft. per minute; the specimen to be approximately 3/4 inches thick and has a density of 15.6 lbs. per cubic foot.)

"SUBJECT: Dusting and Flaking Test of CAFCO BLAZE-SHIELD Type D Fiber (untamped).

"METHOD: A submitted sample of 16" by 4" plaster board coated on one side with a 3/4 inch coating of CAFCO BLAZE-SHIELD Type applied at a density of 15.6 lbs. per cubic foot was mounted on a duct 4" by 16" in cross-sectional area and 4 ft. long, with the fiber in the interior of the duct. A narrow duct was used to create a high impinging velocity. A filter was placed at the blower end and a black cloth collecting filter placed at the open end. The blower was started and allowed to run for a 1 hour shakedown to remove dust and flakes loosened by handling. At this time, impinging velocity and issuing velocity were checked with an anemometer.

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May 5, 1964

Impinging Velocity on Filter: 860 ft. per minute
Issuing Velocity: 270 ft. per minute

After the shutdown, the collector filter was removed, cleaned, and replaced. The blower was started and allowed to run for 24 hours. At the end of this period the collector filter was removed and the collected particles counted.

A control blank was then run by replacing the CAFCO treated wall board with a plain wall board and going through the entire procedure again. There were no visible particles on the blank run.

"RESULTS:

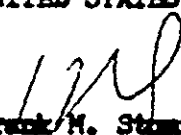
At an air impinging velocity of 860 ft. per minute and issuing velocity of 270 ft. per minute, the dust and flake collected at the issuing collector filter is calculated to be less than 1 particle per sq. cm. per 24 hours.

"CONCLUSION:

Air erosion of the CAFCO ELAZE-SHIELD Type D fiber (untamped) is negligible."

Sincerely yours,

UNITED STATES MINERAL WOOL COMPANY


Frank M. Stamp
Vice President - Research

FM/ee

*File
Reports released*