



Test Report No. 259931

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Report of Test on

DUSTING AND FLAKING TEST

OF

CAPCO BLAZE-SHIELD

International Testing Laboratories, Inc.

NEWARK 5, NEW JERSEY

Date April 27, 1962

	Prepared	Checked	Approved
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SUBJECT : Dusting and Flaking Test of Cafco Blaze-Shield.

METHOD : A submitted sample of 16" by 4' plaster board coated on one side with a 1 inch coating of Cafco Blaze-Shield applied at a density of 11.9 lbs. per cubic foot was mounted on a metal duct 4 x 16" in crosssectional area and four feet long, with the Blaze-Shield 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 over 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.

Impinging Velocity on Filter : 800 ft. per min.
Issuing Velocity : 270 ft. per min.

After the shakedown, 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 800 ft. per min. and issuing velocity of 270 ft. per min., 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 Blaze-Shield is negligible.