



TEST REPORT

Report No: PITMAEM/SA/13907-09/14

Dated: 18-09-2014

Name & Address of Customer: M/s SECCO Pak (Pvt.) Ltd, 18-Km, Lahore-Sheikhupura Road.

Request Ref. # & Date: SECCO/Firedoors/005 02-07-2014

Sheet No: 1/1

Description of Sample: Testing of Fire Doors Assembly

No. of Sample(s): One (01)

ILO Log # and Date: 394 Dated: 25-08-2014

Ref/Code #: -

Method used /Specs: NFPA 252

Temp. & Humidity:

Statement of Non-compliance: Nil

Testing Date: 22-08-2014

RESULTS

Introduction/Background:

The testing facility consisted of the following:

- a control room, (Photograph attached)
- a moveable wall upon which a fire rated door could be mounted with the help of steel frame on a cement-brick wall making it the front side of the burning chamber (Photograph attached)
- Burning Chamber fixed (Photograph attached),
- 6 No Burners with blowers attached in the Burning Chamber wall,
- Arrangement for Water hose as per NFPA 452,
- Control, lines, utilities, Pressure gauges for Chamber and attachments.

Three thermocouples were attached to the unexposed side of the door; one at the top, second one in the middle and the third at the bottom of the door. Nine (09) thermocouples were attached on the inside of the burning chamber in a plane six inches from the exposed side of the Door.

The steel fire doors were inspected for the following two tests according to international standard specification NFPA 252.

A) Fire Test:

A 3×7 feet fire rated door was mounted on the wall and the chamber was closed. The Burners of the Chamber were ignited, and the temperature readings of the thermocouples were noted at intervals of 1 minute. A graph of temperature values was plotted against the time and compared with the standard curve (graph attached).

- This test/calibration certificate is based solely on the particular sample(s) supplied by the client and should not be reprinted in part.
- Sampling has not been performed by the PCSIR Labs and PCSIR does not accept the responsibility that the item(s) supplied is/are truly representative item(s) of any batch or stock or entire production.
- While the PCSIR agrees to take every reasonable precaution to ensure validity of its test results, it assumes no liability there of beyond the amount of the fee charged for the analysis/test.
- The party shall assume full responsibility for the ethical use of the results in the test/calibration certificate and the laboratory shall be held free from any and all claims, which may result from the use of such data by the client or others.
- After completion of the test/calibration the sample if required will be retained for one month until negotiated otherwise.
- The contents of this certificate cannot be, in any manner, used for the publicity of the product or any advertisement.
- Uncertainty of measurements can be provided on request.



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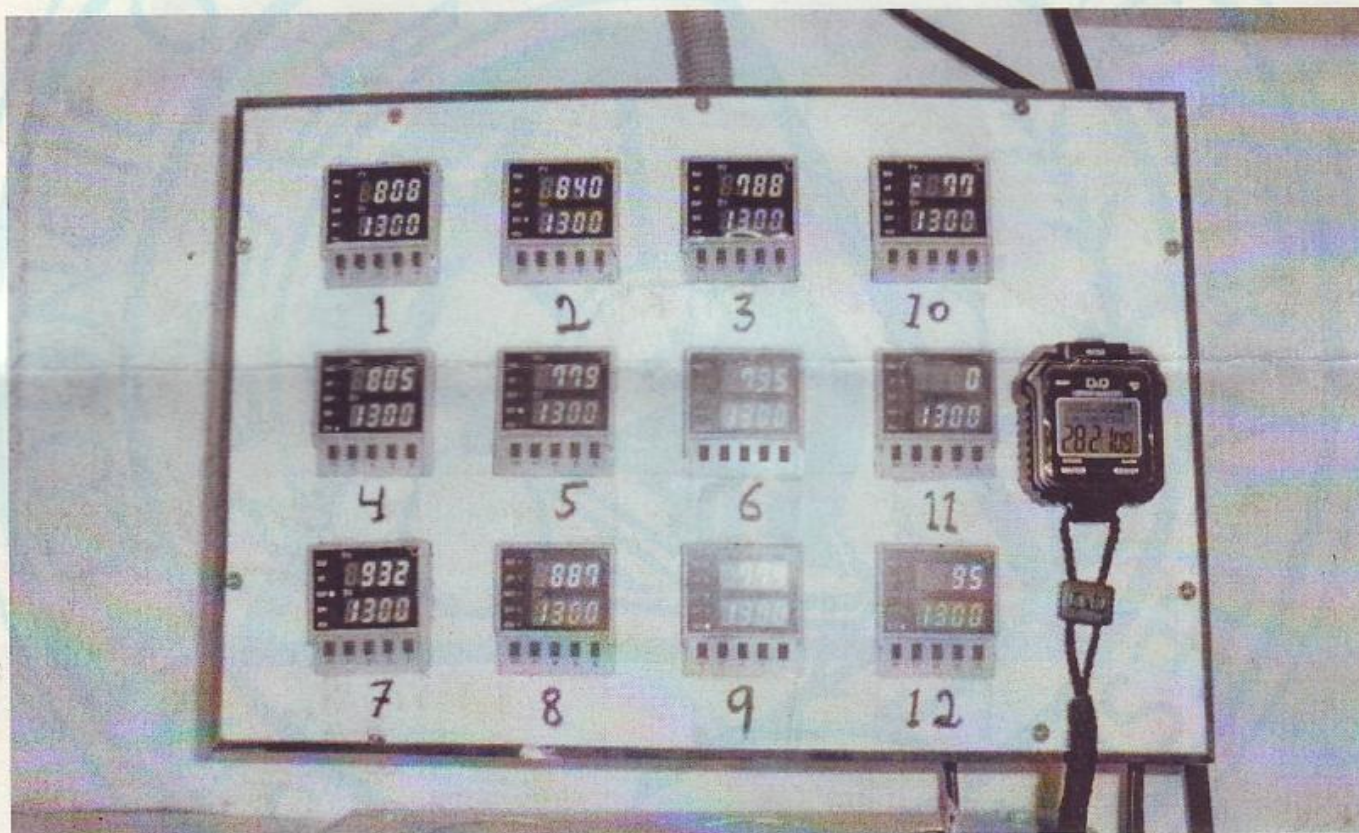
Dated: 18-09-2014

Results:

The fire test was run for 60 minutes. In result a fire breach was observed after 50 minutes from the start of the test. The door therefore passes with 45 minute rating.

B) Hose Stream Test:

After the end of the fire test, the chamber was opened and the wall with mounted door was moved about 20 feet. Then the water from standard hose with pressure of 30 psi was thrown on the door from the inside for 20 seconds. No leakage of water to the other side of the door was observed.



Control Panel with 12 thermocouples, nine inside the Chambers and three on the unexposed side of the Door.



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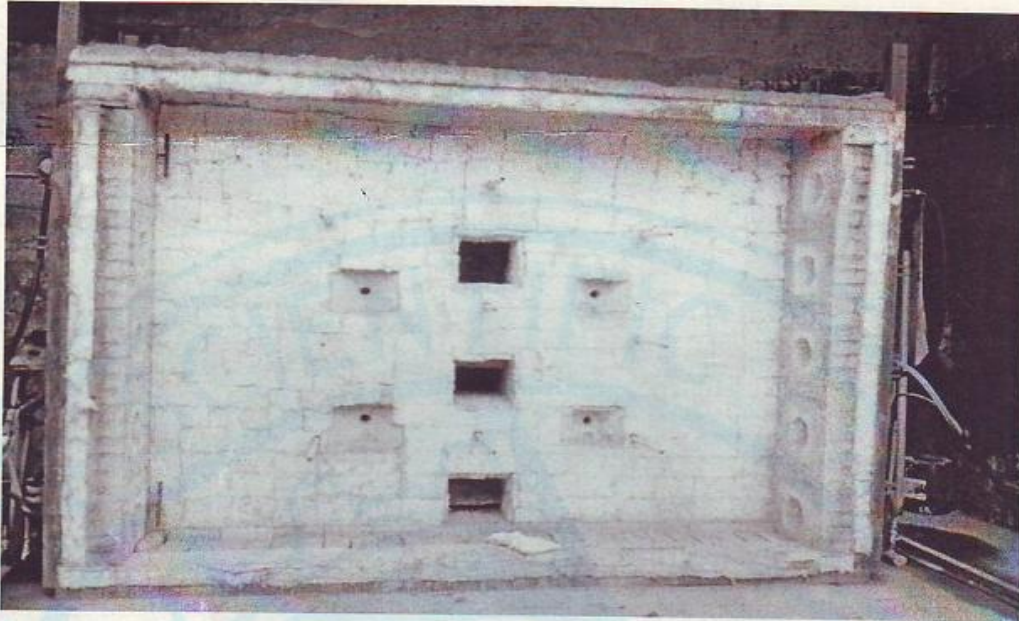
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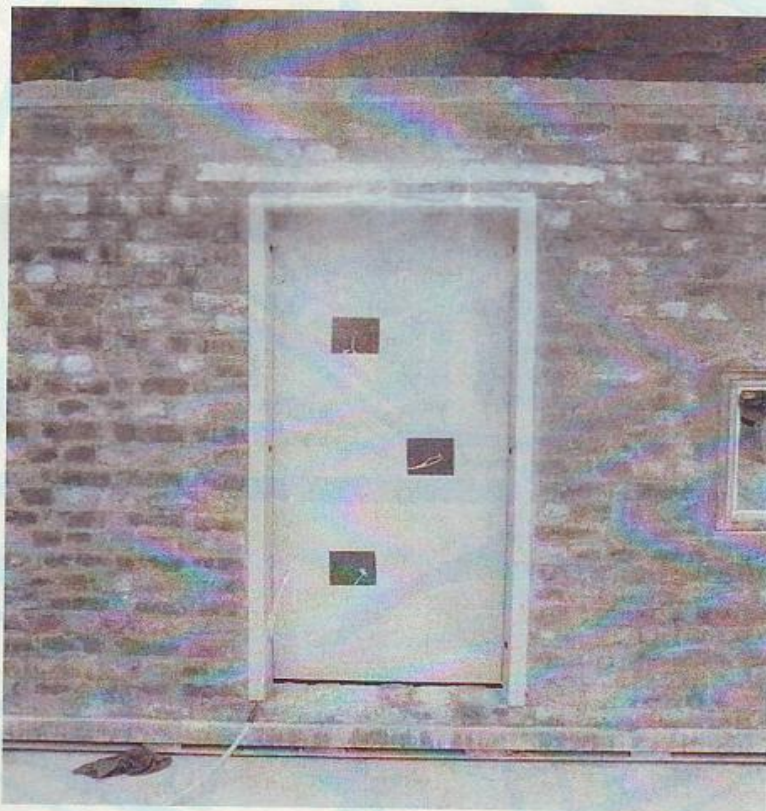
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Burning Chamber



Moveable Wall

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