INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA
Forest Research Institute Malaysia (FRIM)
52109 Kepong, Selangor Darul Ehsan
Tel : 603-6279 7000 Fax : 603-6273 1314
Website : www.frim.gov.my

Our Ref : FRIM 394/490/5/6 /Klt 4 . (43)

18 th June 2013

FALCON SAFE MARKETING SDN. BHD.
Lot 4912, Jalan Teratai,
5 ½ Miles, Off Jalan Meru,
41050 Klang ,
Selangor Darul Ehsan.

(Attn : En. Monaruddin bin Mokhtar)

Dear Sir,

SUMMARY INFORMATION FOR FIRE RESISTANCE TEST NO : 998 FOR `FRC' SAFETY CABINET FOR R&D PURPOSE ONLY.

Enclosing the information obtained from the test specimen on your behalf tested on 1st March 2013 to our test furnace.

The summary report is provided for the test sponsor's information only as it is for R& D and should not be used to demonstrate performance against the standard nor compliance with a regulatory requirement.

The test was stop at the request of the client at [illegible]3 minutes of test.

The test was performed at the request of the manufacturer to determine the fire resistance performance of the fire resistant filing cabinet when tested in accordance with the condition specified in JIS S 1037: 1989, clause 8.5 - Fire Resistance Test and **excluding the impact and drop combination test.**

1.0 Test specimen

The specimen had overall nominal dimension of 1550 mm height by 525 mm width and 755 mm thickness with 4 drawers . The body of the fire resistant cabinet was build from metal plate and fitted with a resistant metal plinth of approximately height 50 mm from the ground level. The top drawer was provided with a key lock and combination lock. The central locking system was controlled by the first drawer. All rails were fitted with ball bearing rollers. The Fire resistant cabinet was said to be manufactured using `specially formulated Pancrete foam'. The information on this material was withheld by **Falcon Safe Marketing Sdn. Bhd.**

2.0 Test Specification

The test was performed at the request of the manufacturer to determine the fire resistance performance of the fire resistant Fire resistant cabinet when tested in accordance with the condition specified in JIS S 1037: 1989: Fire Resistive Containers for general paper (P-S) and **excluding the impact and drop combination test.**

The ambient temperature at the beginning of the test was 33 ° C and on the completion of the test was 36 ° C.

3.0 Test Results

Attached the test result as below :

i. Table 1 shows the temperature recorded inside the test specimen.
ii. Plates 1 to 14 were the photograph taken before and after the test.

FIRE PROTECTION LABORATORY CERTIFIED FRIM

4.0 Evaluation against the performance criteria.

The performance of the test specimen was judged against the following criteria of Table 3 (test item 8.3) and Table 4 (test item 8.5.5) of the JIS Standard.

1) Stability

It is required that the body of the test specimen does not incline forwards. Immediately after the test it is observed that the body of the specimen does not incline forwards.

2) Heating

It is required that the internal part temperature is not higher than 180 ° C during the heating test.

The maximum temperature taken at 68 minutes was 177 °C at drawer 1 of Tc 2 .

After the test, the safety cabinet was unlocked. A closer examination, each mounted ball shaped newspapers were still able to read and the color of the newspaper have no significant change in color.

Conclusions

The performance of the test specimen was judged against the following criteria of JIS S 1037 : 1989 for the following period :

Integrity	**:**	***68 minutes***
Insulation	**:**	***68 minutes***

5.0 Limitations

5.1 The information of the test is provided for the test sponsor's information only and the test results relate only to the test specimen tested

5.2 The results only relate to the behavior of the specimen of the element of construction under the particular conditions of test; they are not intended to be the sole criteria for assessing the potential fire performance of the element in use nor do they reflect the actual behavior in fires.

5.3 The result is use for R&D purpose only.

The test results relate only to the specimen tested.

Thank you

Regards,

KHAIRUL AZMI BIN JABAR
Research Officer
Fire Protection Laboratory
For Director General
FRIM

FIRE PROTECTION LABORATORY CERTIFIED FRIM

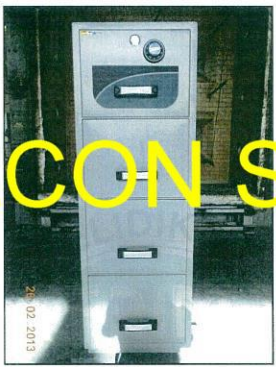

Plate 1. Before the test

Plate 2. Before the test.

Plate 11. After the test.

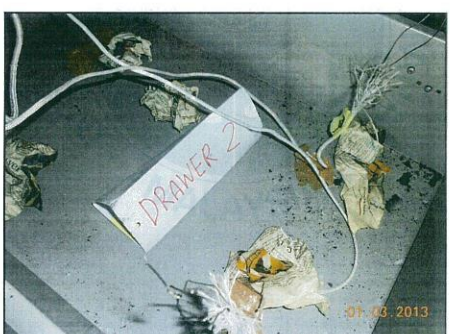

Plate 12. After the test.