FIRE RETARDENCY TEST

Standard: BS5867 part2 1980 Type B.

Test Method: BS5438 1976 Test 2B.

Reference: DOCUMENT No: 1504

Date Of Test: 24/08/10

Sample Design: Circus FR SRC

Identification: BATCH Nos: 412353

Pre-Treatment: Water soak as per clause 4.2 to 4.5 of BS 5651.

Conditioning Prior To Test: All samples were conditioned for a minimum of 16 hours in an atmosphere of 20+/-5°C and 60 +/- 5% RH before testing.

Specimens: Dimensions: 220x170mm. 3 cut with the long dimension in the machine direction and 3 cut with the long dimension in the cross direction.

Test Chamber: Volume 4 cubic metres. Air temperature 20°C +/- 5°, RH 65% +/- 5%.
Air speed 0.1 m/s

Test Flame: Gas type: Commercial Butane.
Burner type: BS1989
Flame height: 45mm +/- 2 mm
Flame orientation: 90 degree to vertical

Results:

Specimen	1	2	3	4	5	6
Direction	η	ι	η	ϒ	Φ	ϒ
Flame Applied To	Face	Face	Face	Face	Face	Face
Flame Application Time	15 secs	15 secs	15 secs	15 secs	15 secs	15 secs
Duration Of Flaming	0	0	0	0	0	0
Duration Of Afterglow	0.0	0.0	0.0	0.0	0.0	0.0
Flaming Debris	No	No	No	No	No	No
Flame To Edge	No	No	No	No	No	No
Hole To Edge	No	No	No	No	No	No
Afterglow To Edge	No	No	No	No	No	No
Horizontal Damage	22mm	23mm	23mm	17mm	18mm	23mm
Vertical Damage	45mm	81mm	52mm	52mm	55mm	65mm

Statistics:
Mean Afterflame Time: 0.0
Mean Afterglow Time: 0.0
Mean Char Width: 21 mm
Mean Char Height: 58 mm

Conclusion: The specimens tested COMPLY with the flammability requirements of BS 5867 1980 part2 type B.
The test results may not apply in situations where there is restricted air supply or prolonged exposure to large sources of intense heat, as in a conflagration.

Approved Supplier:

CI/SfB 1976 reference by SfB Agency

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