

## FIRE RETARDENCY TEST

**Standard:** BS5867 part2 1980 Type B.

**Test Method:** BS5438 1976 Test 2B.

**Reference:** DOCUMENT No: 1483

**Date Of Test:** 17/08/10

**Sample Design:** Neon Blackout FR

**Identification:** BATCH Nos: 418522 RB, 421683 LB

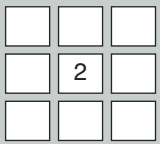
**Pre-Treatment:** Water soak as per clause 4.2 to 4.5 of BS 5651.

**Conditioning Prior To Test:** All samples were conditioned for a minimum of 16 hours in an atmosphere of  $20 \pm 5^{\circ}\text{C}$  and  $60 \pm 5\%$  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  $20^{\circ}\text{C} \pm 5^{\circ}$ , RH 65%  $\pm 5\%$ .  
Air speed 0.1 m/s

**Test Flame:** Gas type: Commercial Butane.  
Burner type: BS1989  
Flame height: 45mm  $\pm 2$  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	Back	Face	Back	Face	Back	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	5.2 secs	0.0 secs	8.1secs	5.0 secs	10.2 secs	6.0 secs
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	18mm	25mm	20mm	25mm	22mm	23mm

**Statistics:** Mean Afterflame Time: 0.0  
Mean Afterglow Time: 5.8 secs  
Mean Char Width: 22 mm  
Mean Char Height: 80 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			
(76.7)	x		

