

MEMORANDUM

November 2011

From: Steve Taylor
To: J H Wilberforce Pty

RE: Fire Certification

The following is a guide to fire certification of our products manufactured in FIRE RETARDANT GRADE.

HPL 0.8mm/1.0mm

Certification BS 476 part 1 surface spread of flame
EN 438 - 4 M1 Grade

These materials when bonded to suitable substrates such as non combustible can achieve a higher classification as a composite panel such as Class 0

Compact - Solid Grade Laminate 4mm - 12.5mm thick

M1 to EN 438 - 4
BS 476 part 7 All thickness Class 1 surface spread of flame
Panels 6mm and above - Compact achieves Class 0 - BS 476 part 6 & 7
Euroclasse B s1 d0 - same as Class 0

Euroclasse

A = panels and materials which are non- combustible (fibre cement panels, glass, granite, stone, etc-)
B = composite panels of limited combustibility
The scale is A to F where F are highly combustible

Polyrey Fire Retardant products constitute their presence in Group B.
Polyrey Standard Grade products - Group C
"s1" rating denotes very little smoke whilst "d0" denotes no burning droplets

None of our laminates 0.8mm to 12.5mm appear in any lower Groups

The scale for grading EN 438 - 4 in "M" grades are

- M0 - non combustible
- M1 Superior Limited Combustibility
- M2 Limited Combustibility
- M3 less Limited Combustibility

Compact solid grade will not catch fire until the temperature of flames have reached 450 degrees Celsius - and indeed combust rather than catch alight.

Our products are also certified for use in Marine applications which are covered by IMO (SOLAS) regulations on low flame spread and smoke opacity and toxic emission.

Steve Taylor
Polyrey UK