



## EC CERTIFICATE OF FIRE APPROVAL

This is to certify that...

The product detailed below will be accepted for compliance with the applicable Warrington Certification Limited Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Warrington Certification Limited, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

|                               |   |
|-------------------------------|---|
| <b>Certificate Number</b>     | FA101   |
| <b>Manufacturer</b>           | BPI Packaging Services  |
| <b>Address</b>                | 96 Port Glasgow Road<br>Greenock<br>PA15 2UL  |
| <b>Item Designation</b>       | Surface materials and floor coverings with low-flame spread characteristics                                     |
| <b>Product Reference</b>      | Megafilm Floorcovering  |
| <b>Fire Test Procedure(s)</b> | IMO Resolution A653(16)<br>IMO Resolution MSC 61(67) Annex 1 Part 5<br>IMO Resolution MSC 61(67) Annex 1 Part 2 |

The attached Design Appraisal Document forms part of this certificate. This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service. This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Warrington Certification Limited of any modification or changes to the equipment in order to obtain a valid Certificate.

C Hughes  
Manager  
Warrington Certification Limited  
Holmesfield Road  
Warrington WA1 2DS  
Notified Body No. 1121

Date of Issue 22<sup>nd</sup> July 2011  
This certificate is valid until 21<sup>st</sup> July 2016





## DESIGN APPRAISAL DOCUMENT – CERTIFICATE NUMBER FA101

This Design Appraisal Document forms part of the Certificate.

### APPROVED DOCUMENT(S)

#### Test Report(s)

- (1) WARRES No. 147768. Surface Flammability test to IMO A653 (16), Part 5, Annex 1 of the Fire Test Procedures Code, Resolution MSC61 (67).

The Total Heat Release ( $Q_t$ ) is not more than 0.2MJ and the Peak Heat Release Rate ( $Q_p$ ) is not more than 1.0kW. Therefore, in accordance with Paragraph 2.2 of Annex 2 to IMO Resolution MSC 61(67), it is considered that the specimens covered by this certificate comply with the requirements of Part 2 of Annex 1 'Smoke and Toxicity Test' to IMO Resolution MSC 61(67).

### CONDITIONS OF CERTIFICATION

- (1) Full product description provided in the Annex to this Certificate.

### PLACE OF MANUFACTURE

BPI Packaging Services  
96 Port Glasgow Road  
Greenock  
PA15 2UL

### Supplementary Fire Approval Terms and Conditions

This Certificate, Design Appraisal Document and Annex relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).

A handwritten signature in black ink, appearing to read 'C Hughes'.

**C Hughes**  
Manager  
Warrington Certification Limited  
Holmesfield Road  
Warrington WA1 2DS  
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## ANNEX TO EC CERTIFICATE OF FIRE APPROVAL FA101

|  |   |
|--|---|
| General description                        | A flame retardant grade, flexible, protective sheeting having one embossed face. The sheet material was mechanically fixed to one face of a 12mm thick calcium silicate based board to hold the sheet material in position for the test.  |
| Trade name / product reference             | "Megafilm Floorcovering"  |
| Detailed description / composition details | A flame retardant grade, polyethylene sheeting  |
| Name of manufacturer                       | BPI Packaging Services, Greenock  |
| Density / weight per unit area             | 170g/m <sup>2</sup>   |
| Thickness                                  | 0.175mm   |
| Colour                                     | Blue  |
| Trade name of flame retardant              | See 'Note 1' below  |
| Generic type of flame retardant            | See 'Note 1' below  |
| Amount of flame retardant                  | See 'Note 1' below  |
| Description of embossed surface            | The flame retardant grade, protective sheeting was essentially flat on the reverse face, however, the upper face (exposed face) was embossed with pyramidal shaped peaks. The pyramid embossing comprised four equal sides of 4mm length and an embossed height of 1.2mm. The distance between the embossed peaks was measured by a representative of the reaction to fire department, Warringtonfire and determined to be approximately 6mm. |
| Brief description of manufacturing process | Extrusion   |