Fire Protection Systems Information

# A60 Steel Bulkhead

## Fire towards EITHER side

Profile Wrap System

### Accompanies Method Statement FM-MS 01 PW

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| **Product** | FireMaster Marine Plus Blanket |
| **Application Requirements** | 60mm x 80 kg/m³ FireMaster Marine Plus Blanket applied in one single layer onto stiffened side of bulkhead or onto corrugated bulkheads (subject to Class Society Approval for each application. Thicker and denser insulation may also be installed to meet thermal requirements – refer to MED B Certification for details. Refer to the included drawings for alternative insulation arrangements also approved in the MED B Certificate. |
| **Anchoring** | CD welded steel pins 3mm diameter 12 to 25mm longer than blanket thickness. Friction fit retaining washers. |
| **Weight** | 4.8 kg/m² on flat area and over stiffeners. |
| **System Drawing Reference** | FM CAD14-4.101 Rev 0 (Flat Bulkhead) and FM CAD12-4.101_1 (Corrugated Bulkhead) |
| **System Features** | No chicken mesh required<br>Flexible anchor pin spacing and joint locations. Joints between blanket can be any location (refer to drawing) |
| **Certification** | EU MED<br>DNV<br>Transport Canada<br>US Coastguard<br>ABS<br>LR |

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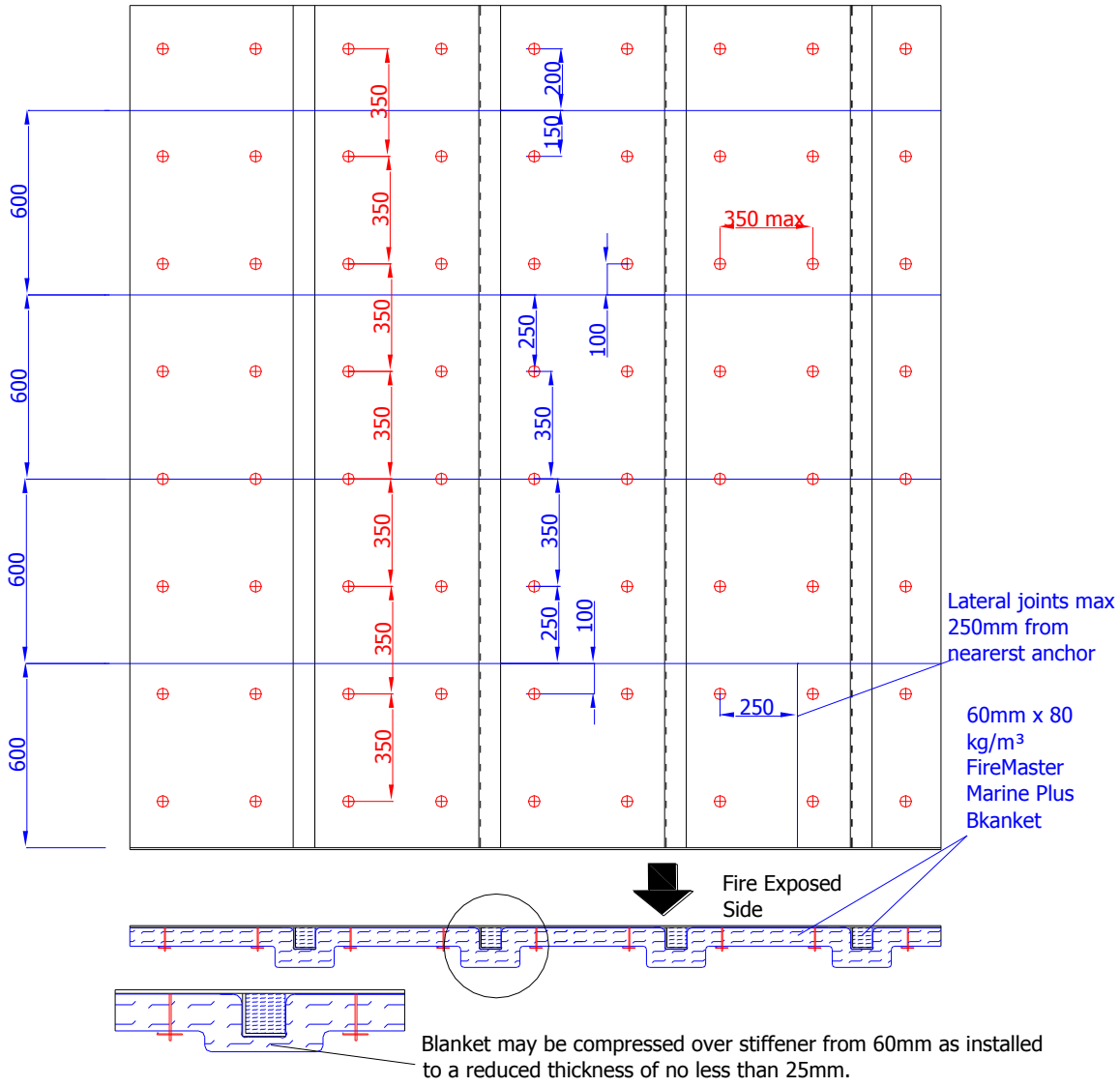
| **Reference** | **FM 4.101 Rev 9** |
| **Date of Issue** | **September 2020** |

# Drawing FM CAD 14 4.101 rev 0
# A60 Steel Bulkhead Fire Either Side

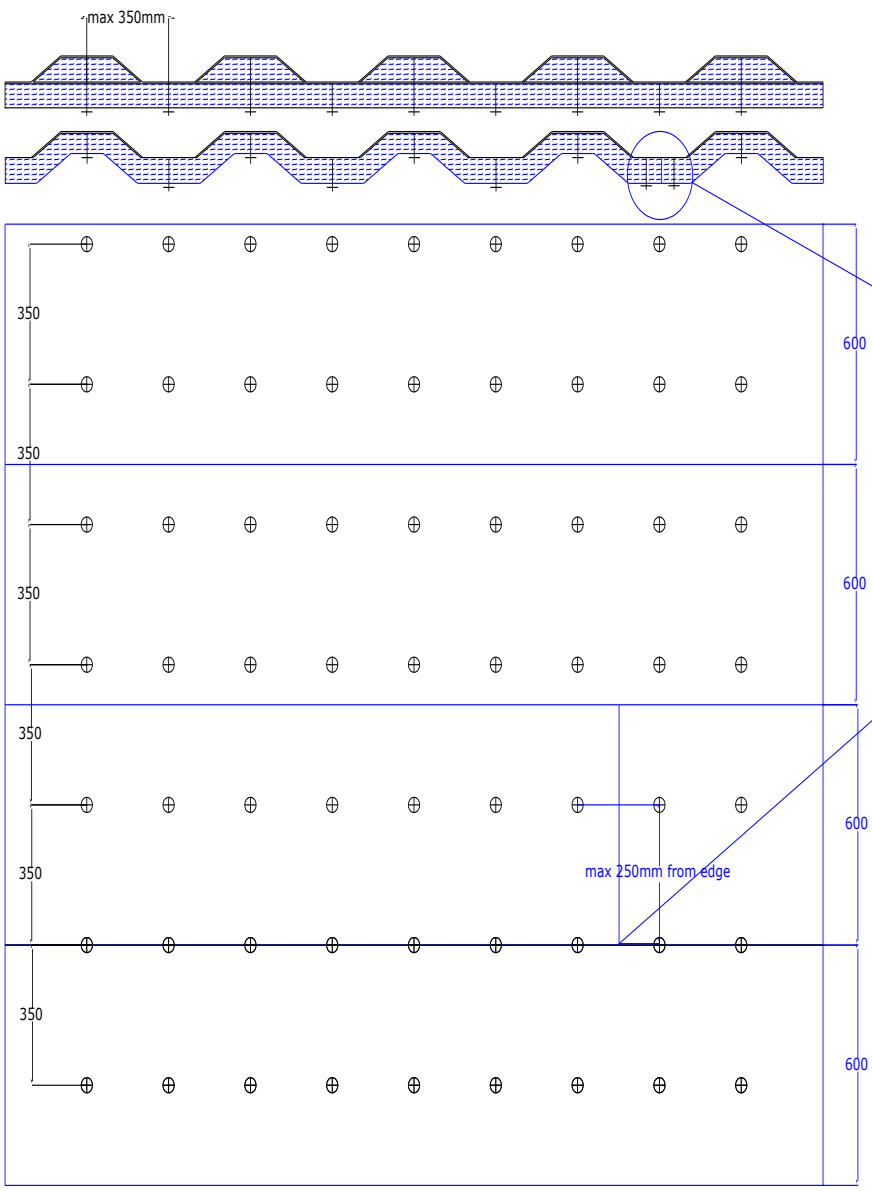
60mm x 80 kg/m³ applied in one single layer on stiffened side of bulkhead plate. Stiffeners to be packed with blanket. Note: Blanket joint locations shown on this drawing are typical examples of where joints may occur in the lining. Joints may be placed anywhere and not exactly as shown in the drawing below.



## FM CAD 12 4.101-1

A60 Bulkhead - Use on Corrugated Plate Bulkheads
Minimum plate thickness 4.5mm

FireMaster Marine Plus Blanket 60mm x 80 kg/m³ applied in one single layer horizontaly as shown.




Alternative blanket layouts:

Insulation applied flat behind corrugations

OR

Insulation wrapped to profile of corrugations where possible

Where blanket is installed following the contours of the corrugations, joints between lengths of blanket are made by adding one extra anchor at a convenient point as shown

Example of joint between lengths of blanket where blanket is installed flat under the corrugations

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|---|---|
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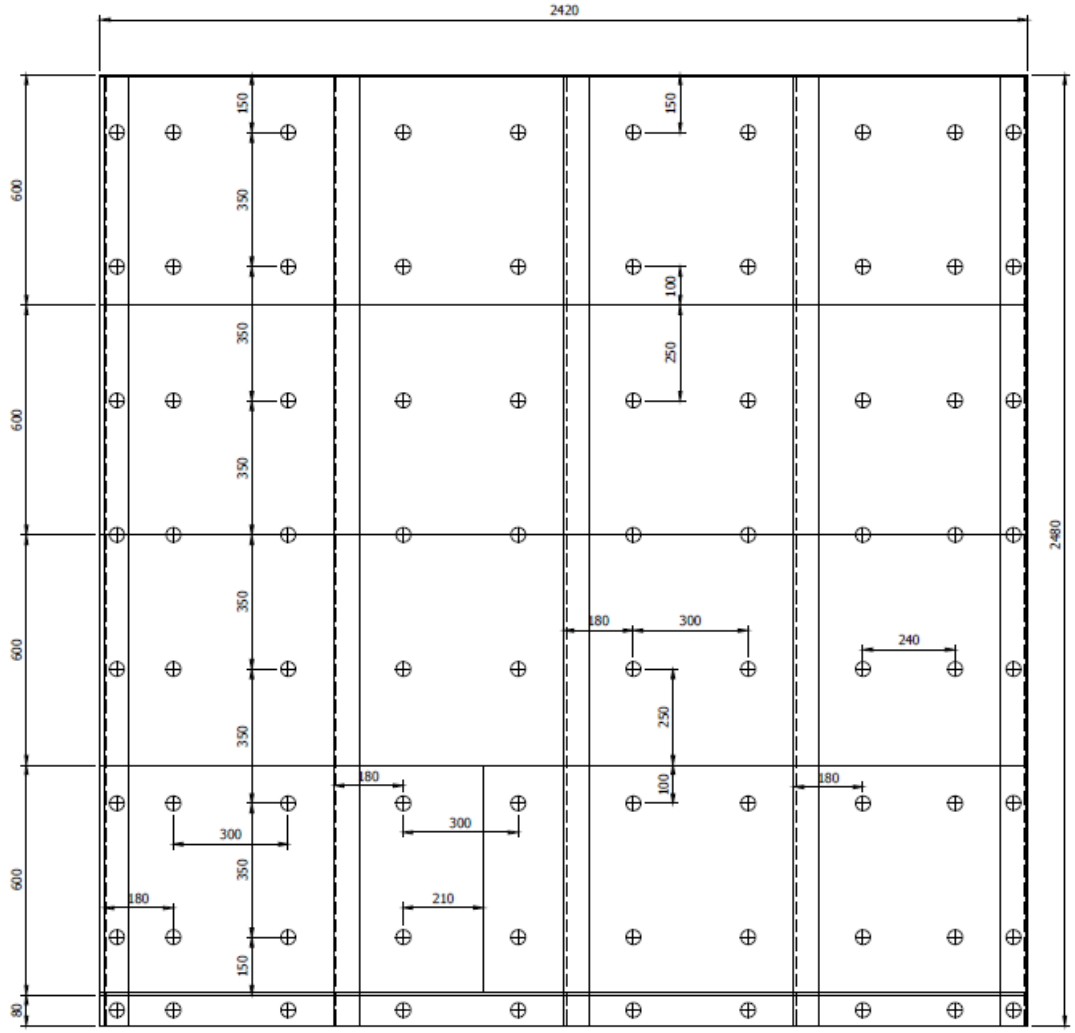
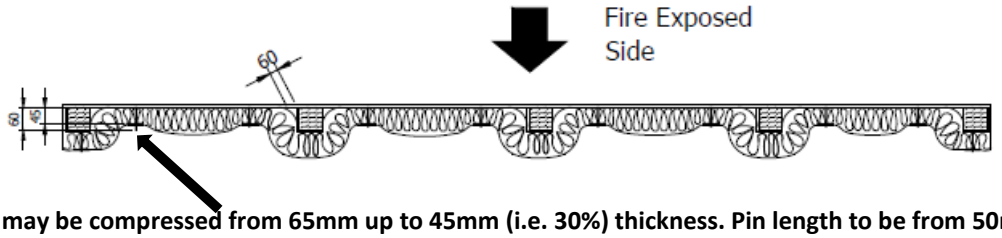
# Installation of system with thicker insulation




**Blanket may be compressed from 65mm up to 45mm (i.e. 30%) thickness. Pin length to be from 50mm to 80mm typically. Blanket may be compressed to 25mm over the stiffener flange.**

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ALTERNATIVE INSULATION ARRANGEMENTS

Separate installation around stiffeners