

Reference	FM 4.100 Rev 4
Release Date	August 2014



## Fire Protection Systems Information

### A60 Steel Bulkhead

Fire towards EITHER side

Profile Wrap System

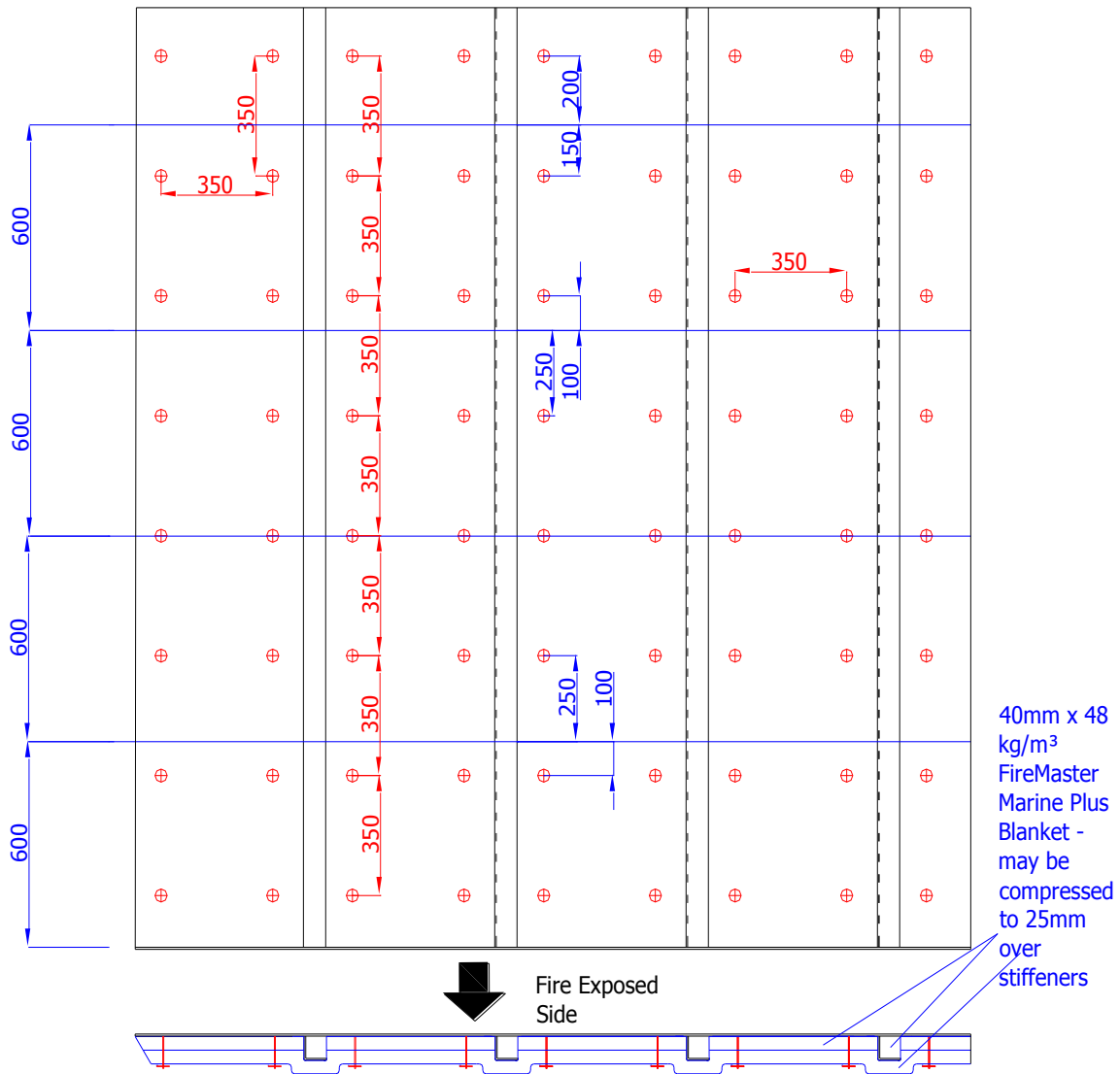
Accompanies Method Statement FM-MS 01 PW

<b>Product</b>	FireMaster Marine Plus Blanket
<b>Application Requirements</b>	<p>80mm x 48 kg/m<sup>3</sup> FireMaster Marine Plus Blanket applied in two 40mm thick layers onto stiffened side of bulkhead. Insulation on stiffeners may be compressed to 25mm.</p> <p>First layer applied between stiffeners. Second layer applied over stiffeners.</p> <p><b><u>Application on corrugated bulkheads</u></b> (subject to Class Society Approval for each application) 2 x 40mm layers are applied flat onto the bulkhead (refer to drawing)</p>
<b>Anchoring</b>	CD welded steel pins 3mm diameter 12 to 25mm longer than blanket thickness. Friction fit retaining washers.
<b>Weight</b>	3.84 kg/m <sup>2</sup> on flat area between stiffeners 1.92 kg/m <sup>3</sup> onto stiffeners
<b>System Drawing Reference</b>	FM CAD12-4.100 Rev 1 (Flat Bulkheads) FM CAD12-4.100_1 (Corrugated Bulkheads)
<b>System Features</b>	No chicken mesh required Flexible anchor pin spacing and joint locations. Joints between blanket can be any location (refer to drawing)
<b>Certification</b>	DNV EU MED Transport Canada US Coastguard ABS LR

Reference	FM 4.100 Rev 4
Date of Issue	August 2014

## Drawing FM CAD 12 4.100 Rev 1 A60 Steel Bulkhead Fire Either Side

80mm x 48 kg/m<sup>3</sup> applied in two 40mm thick layers on stiffened side of bulkhead plate. First 40mm layer is fitted in between stiffeners. Second 40mm layer is fitted over stiffeners and may be compressed to a minium thickness of 25mm over the stiffeners if required. 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.

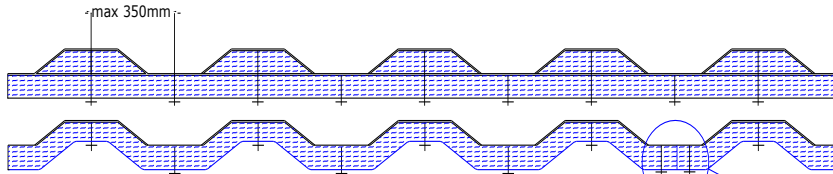


Reference	FM 4.100 Rev 4
Date of Issue	August 2014

**FM CAD 12 4.100-1**

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

FireMaster Marine Plus Blanket 80mm x 48 kg/m<sup>3</sup> applied in two 40mm thick layers horizontally as shown.

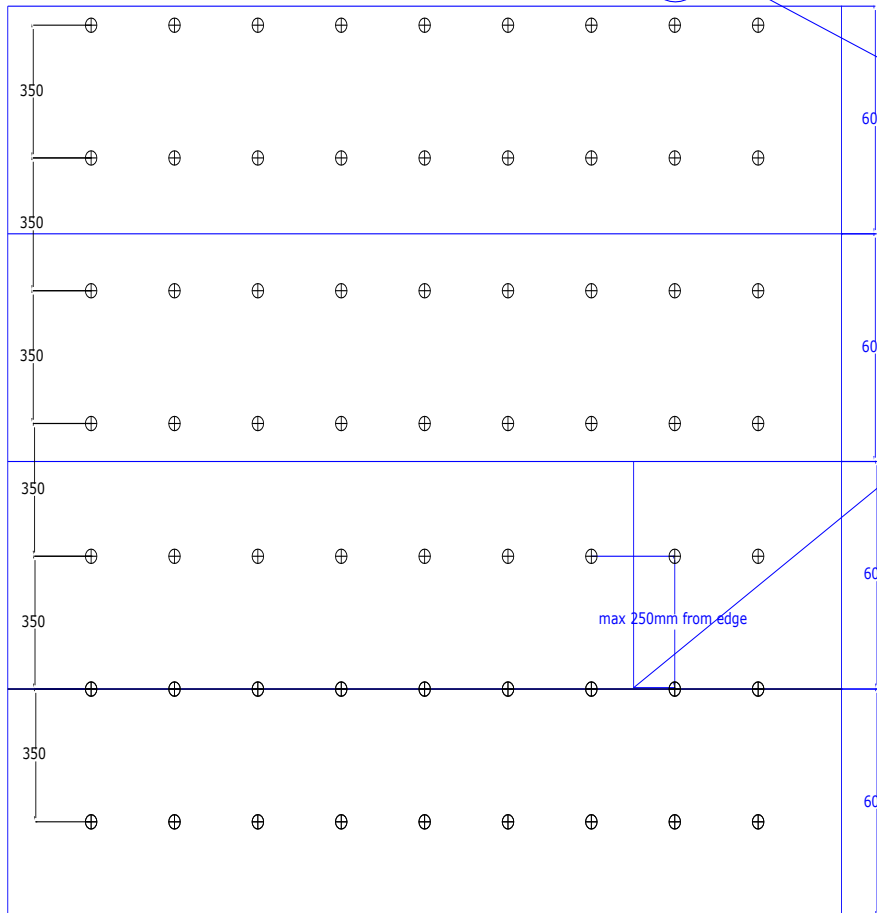


Alternative blanket layouts:

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