

Reference	FM 4.113 Rev 0
Release Date	August 2021



Fire Protection Systems Information

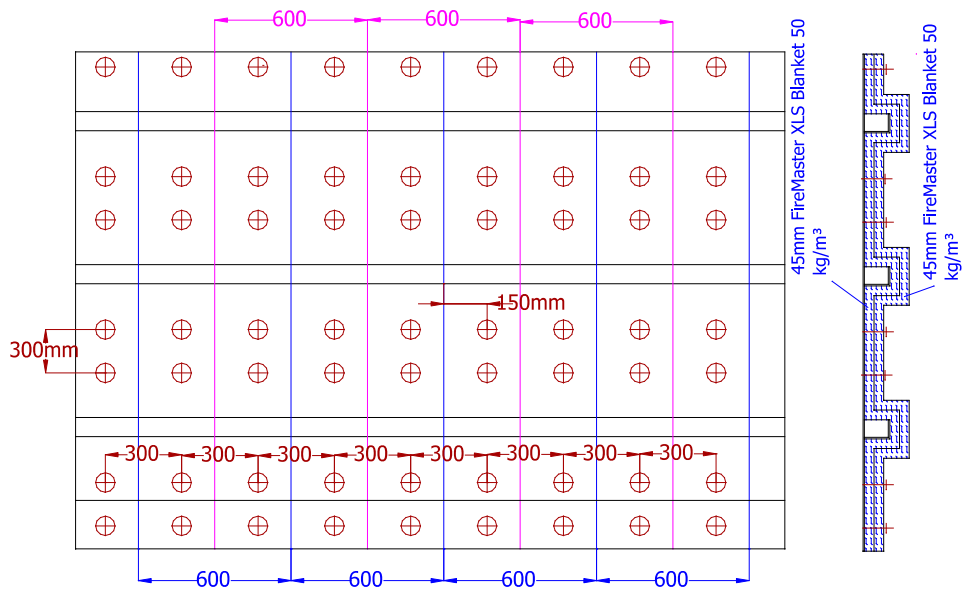
H60 Steel Deck HC / 5mm Deck / R120 (400°C) / E120 / I60

Fire to insulated side of deck

Accompanies Method Statement FM-MS 01 PW

Product	FireMaster XLS Blanket
Application Requirements	2 x 45mm x 50 kg/m ³ FireMaster XLS blanket applied as profile wrap over stiffeners.
Anchoring	CD welded steel pins 3mm diameter. Friction fit retaining washers.
Weight	4.5 kg/m ² on plate and stiffeners
System Drawing Reference	FM CAD 21-4.113
System Features	Low weight system with high U value Simple anchor pattern : 300mm x 300mm Fire tested to IMO 2010 FTP Code and ISO 20902-1 standards
Classification Compliance and Certification	1. IMO 307 (88) : 2010 FTP Code with Hydrocarbon Fire 2. ISO 20902-1:2018 with Hydrocarbon Fire

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**Drawing FM CAD21 4.113
H60 Steel Deck**

Insulation Details

"FireMaster XLS" Blanket

90mm x 50 kg/m³ applied in 2 x 45mm layers on stiffened side of deck between and over the stiffeners.

Blanket supplied in widths of 610mm but installed with compressed butted joints to an approximate width of 600mm.

The joints between blankets in each layer are arranged so that they do not coincide at the same location and are therefore offset by up to approximately half a blanket width

Anchor details

Copper Coated Mild Steel CD welded anchors 3mm diameter minimum 100 mm long with 38mm diameter friction fit mild steel washers.