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## MATERIAL DESCRIPTION

'NAUTILUS MFA60SB' is suitable for marine vessels of all sizes but particularly large ships. It is a strong, lightweight, flexible membrane which offers A30 and A60 fire, smoke and thermal protection. 'NAUTILUS MFA60SB' is a 15mm thick non-combustible woven composite blanket which weighs just 5.4kg/m<sup>2</sup> and is manufactured from extremely strong, abrasion resistant, non-respirable e-glass. 'NAUTILUS MFA60SB' is installed by simply fixing to the top and bottom of the areas to be protected in contrast to other systems which require welding pins fixed at approximately 250mm centres. 'NAUTILUS MFA60SB' has been successfully fire tested by Warringtonfire and achieves more than 60 minutes fire and smoke integrity and more than 60 minutes thermal insulation.

## CERTIFICATION

Warringtonfire Test Report WF146400 full scale vertical fire test for Insulated 'A' Class Steel Bulkhead  
Warringtonfire Test Report WF154868 full scale horizontal fire test for Insulated 'A' Class Steel Deck  
Germanischer Lloyd Type Approval No. 75197-09HH  
Wheel Mark Certificate No. WCL MED0181TE  
MCA Certificate No. MED0181QA  
US Coast Guard Approval No. 164.108/1121/0181TE  
Defence Standard 02-711 (NES711)  
Average Smoke Index = 0.91  
Defence Standard 02-713 (NES713)  
Average Toxicity Index = 0.30  
Thermal Conductivity Rating: 0.0336 W/mK  
Acoustic Rating: 23db

## DIMENSIONS

Supplied in bags containing a 3m Length (3.9m<sup>2</sup>)  
NAUTILUS MFA60SB is 15mm thick and each bag contains a concertinaed 3m x 1.3 length

## FULLY TESTED

IMO Resolution MSC61(67) Annex 1 Part 3, and Annex 2  
IMO Resolution A.754(18) MSC/Circ 1005 IMO Resolution MSC 61(67) Annex 1 Part 1, and Annex 2  
IMO Resolution A.799(19)  
Complies with the requirements of the International Convention for the Safety of Life at Sea (SOLAS) 1974 Regulation II-2/3.44

## APPLICATIONS

'A' class (30 and 60 minute) fire, thermal & acoustic protection for Steel Hulls, Bulkheads and Decks.

**TBA FIREFLY<sup>TM</sup>**  
**NAUTILUS MFA60SB**



Nautilus MFA60SB Install



MV TITAN Project Management  
Vortex Marine UK



BORWIN ALPHA PLATFORM  
Contractor Hoogliet Holland