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## MATERIAL DESCRIPTION

A new innovative product which provides standalone 'B' Class Insulation/Fire Protection 'NAUTILUS MFB30' is suitable for marine vessels of all sizes. It is a strong, flexible, lightweight membrane which offers both B15 and B30 fire, smoke and thermal protection. It is a 10mm thick non-combustible woven composite blanket which weighs just 2.2kgs/m<sup>2</sup> and is manufactured from extremely strong, abrasion resistant, non-respirable e-glass. NAUTILUS MFB30 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 MFB30' has been successfully fire tested by Warringtonfire and achieves more than 60 minutes fire and smoke integrity and more than 30 minutes thermal insulation.

## CERTIFICATION

Warringtonfire Test Report WF144224 full scale vertical fire test for Insulated 'B' Class Divisions  
Germanischer Lloyd Type Approval No. 75 196-09HH  
Wheel Mark Certificate No. WCL MED0172TE  
MCA Certificate No. MED0172QA  
US Coast Guard Approval No. 164.108/1121/0172TE  
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: 16 db

## DIMENSIONS

Supplied in bags containing a 6m Length (7.3m<sup>2</sup>)

NAUTILUS MFB30 is 10mm thick and each bag contains a concertinaed 6m x 1.3 length

## FULLY TESTED

IMO Resolution A.754 (18)

IMO Resolution MSC 61(67) Annex 1 part 1, and Annex 2. MSC/Circ 1005

Complies with the requirements of the International Convention for the Safety of Life at Sea (SOLAS) 1974 Regulation II-2/3.44

## APPLICATIONS

'B' class IMO/MED 15 and 30 minute Fire, Thermal and Acoustic protection.

TBA FIREFLY™  
NAUTILUS MFB30



Nautilus MFB30 Install



Installed on HMS ECHO H87  
Project Management  
Appledore UK



Installed on MV GRAND PRINCESS  
Project Management Carnival  
Corporation USA