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MARINE SYSTEMS

RAPID ACCESS NAVY-30 (RAN-30)

CLASS N-30 FIRE DIVISION

www.cbgsystems.com

THE ONLY PANELISED STRUCTURAL FIRE PROTECTION SYSTEM AGAINST HYDROCARBON FIRE AND SHOCK

The RAN-30 System:

RAN-30 is a Class N-30 fire division specifically developed for the defence industry.

This unique structural fire division has been developed to withstand hydrocarbon fire and shock. Unlike other passive fire protection products, the RAN-30 System consists of panels mounted below the deckhead allowing easy access to the vessel structure.

The RAN-30 System has been tested in accordance with the United States Navy Specification Mil-PRF-32161; Mil-STD-3020; UL 1709 time/temperature fire curve and; Mil-S-901D (shock test specification).

Main advantages of the system:

- **Rapid access:** the system provides rapid access to the vessel's services and structure which are generally covered by conventional insulation;
- **Efficient area coverage:** panel standard size is 1200 x 900mm providing efficient area coverage;
- **Reduced maintenance costs:** ease of handling and removal/replacement of panels reduces maintenance costs significantly over the life of the vessel;
- **Ease in-service maintenance:** installation/removal of panels in-service is achieved by way of quarter turn corner discs, and removable cover strips and plates. The panels can be removed/replaced efficiently allowing ready, non-destructive, access to services and the vessel's structure;

- **Reduced 'through-life' service costs:** decreased handling, greater access to services, increased speed of installation; minimal wastage and containment of loose fibres all result in reduced 'through-life' service costs;
- **Shock resistant:** the system has been shock tested in accordance with Mil-S-901D, providing excellent shock resistance characteristics and resulting in no degradation of the system's fire performance;

- **Versatile:** the system's support structure can be installed with reduced interference to other trades during final stages of vessel building or repair;
- **Penetrations:** the system allows the installation of services such as sprinkler heads (AFFF nozzles) and light recesses construction.



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3D model of installed RAN-30 System.



**WORLD LEADER IN DEVELOPMENT,
SUPPLY AND INSTALLATION OF PANELISED
MARINE FIRE DIVISION**

RAN-30™ QUICK FACTS ▼

Main characteristics:

- 30 minute fire resistance to hydrocarbon fires
- Shock resistant
- Panelised configuration

Areas of Potential Application:

- Underside of flight decks
- Cargo spaces
- Hangars
- Main machinery spaces

Tested in accordance with United States Navy specifications:

- Mil-PRF-32161
- Mil-STD-3020
- UL 1709 time/temperature fire curve
- Mil-S-901D (shock test specifications)

THE COMPANY ▼

CBG Systems® (CBG) established in 1978 as a provider of a broad range of insulation systems. Today CBG Systems® is recognised as the leading provider of panelised lightweight passive (or structural) fire protection systems (SFP) and contractor for the installation of energy control and insulation systems for marine and industrial environments.

CBG Systems® operates an ISO 9001:2008 Quality Management System and has extensive experience installing IMO approved SFP systems in navy and commercial vessels operating worldwide.

Through continual product research, our company has developed SFP systems of panelised configuration that contribute to improved ship operations and efficiencies.

CONTACT DETAILS ▼

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