



RAS® (Rapid Access Stainless) fire divisions

## MARINE SYSTEMS

# RAPID ACCESS STAINLESS®

## A-60 CLASS FIRE DIVISION

[www.cbgsystems.com](http://www.cbgsystems.com)

## THE BEST KEPT SECRET IN STRUCTURAL FIRE PROTECTION IS NOW AVAILABLE FOR STEEL SHIPS

**The RAS System:** RAS® is an A-60 class structural fire protection system for fire insulation of deckheads and bulkheads. Unlike conventional insulation, RAS® is a panel system mounted 300mm below the deckhead and 150mm from bulkhead on the stiffener side.

### Main advantages of the system:

- **Rapid access:** the system provides rapid access to vessel's services and structure, generally covered by conventional insulation;
- **Lightweight:** installed system weight is below 10.8kg per m<sup>2</sup> resulting in improved fuel economy, reduced CO<sub>2</sub> emissions and extra payload;
- **Efficient area coverage:** panel standard size is 1185 x 985mm providing efficient area coverage;
- **Fast and efficient initial installation at the shipyard:** grid support structure is typically installed at a rate of 3.5 hours per m<sup>2</sup>;
- **Reduced maintenance costs:** ease of handling and removal/replacement of panels reduces maintenance costs significantly over the life of the vessel;
- **Easy in-service maintenance:** installation/removal of panels in-service is achieved by way of quarter turn corner plates and removable cover strips. The panels can be removed/replaced in less than 5 minutes allowing ready access to services;
- **Reduced 'through-life' service costs:** decreased handling, weight saving, greater access to services and speed of installation results in reduced 'through-life' service costs;
- **Robust:** the panels have excellent resistance to light to medium impact damage;
- **Versatile:** support structure can be installed with reduced interference to other trades during final stages of vessel building or repair;
- **Resistance to corrosion:** all components are 316 stainless steel and do not require secondary corrosion protection;
- **Improved aesthetics:** enhanced overall appearance when compared to conventional wrap systems;
- **Certification:** The RAS® system meets IMO, MED, TC and USCG approvals as an A-60 Class fire division for steel or aluminum vessel construction.

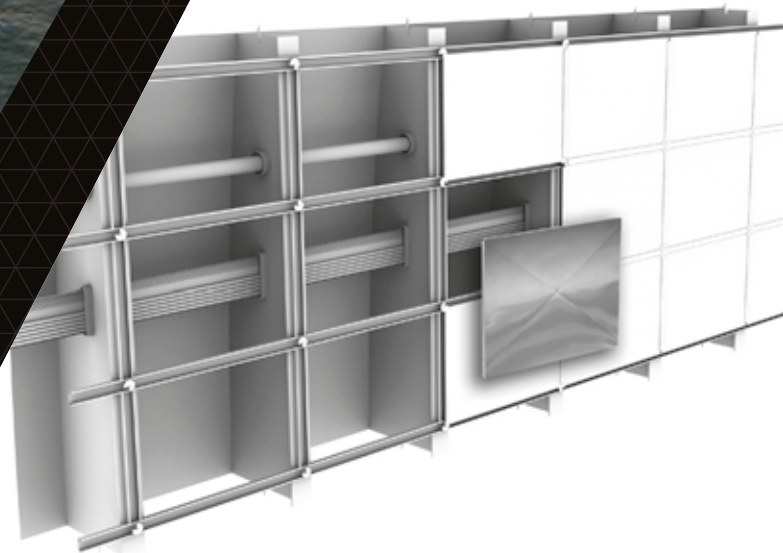


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3D model of installed RAS System (bulkhead arrangement)

Photo courtesy of Flensburger Shipyard



**WORLD LEADER IN SUPPLY AND INSTALLATION OF LIGHTWEIGHT MARINE FIRE DIVISIONS**

**RAS® SYSTEM – QUICK FACTS ▼**

- “A-60” class division for steel and aluminium deckheads and bulkheads.
- Panel system of nominal maximum dimensions per panel of 1185mm X 985mm.
- Supporting structure made of stainless steel insulated framework.
- Average installation time of 3.5 man hours per m<sup>2</sup>.
- Installed system weight of approx 10.8kg per m<sup>2</sup>.
- Ideal for structural fire protection of vehicle decks, engine rooms, hangars, storage rooms, free shop areas and any other “A” class space.
- Panel replacement can be achieved in less than 5 minutes.
- Resistant to corrosion.
- Improved aesthetics.
- Reduced through-life service costs.
- Meets IMO requirements (MED, TC and USCG approved)

**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 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 9001:2015 Quality Management System and has extensive experience installing IMO approved SFP systems in commercial and navy vessels operating worldwide.

Through continual product research, our company has developed SFP systems of panelised configuration that have reduced the installed weight by up to 70% when compared to conventional Rockwool metal clad systems. Products are developed and manufactured in CBG’s well-equipped 2350 square metre facility located in Hobart, Australia.

**CONTACT DETAILS ▼**



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