

RAC^{PLUS} (RAPID ACCESS COMPOSITE^{PLUS})

RAC Plus is a panelized structural fire protection system composed of a 316 stainless steel supporting structure and a composite panel. It features advanced technology developed in partnership with CSIRO and extensively tested against harsh marine environments. The RAC Plus system is strong, light, efficient, and suitable for installation in a range of fire spaces.

Key Technical Information

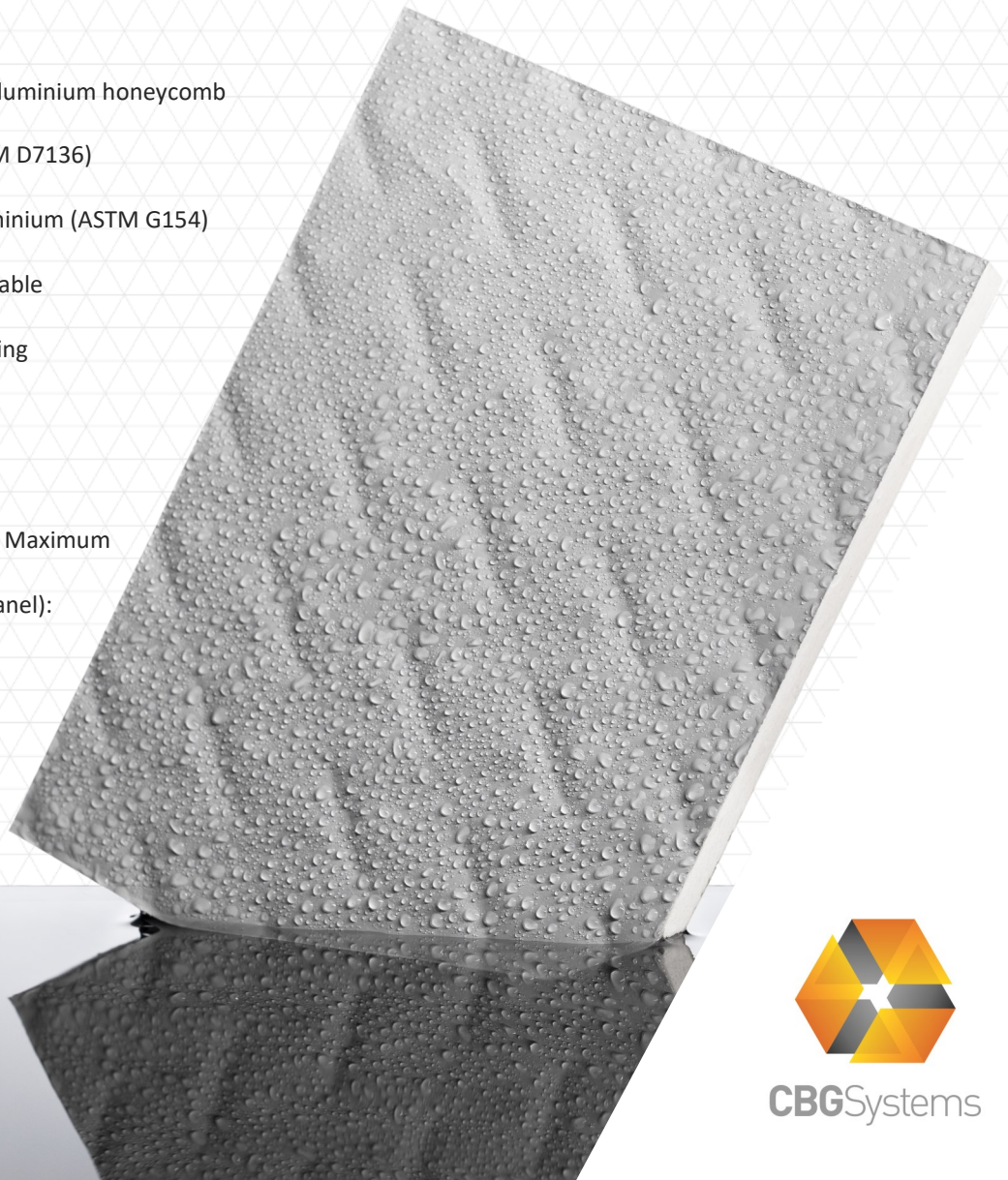
- ▶ Fire resistance: A60 rated Bulkhead and Deck system as per IMO and USCG (FTP Code Part 3)
- ▶ Fire Reaction: Non-combustible, Low flame spread, Low Toxicity (FTP Code part 1, part 2 and part 5)
- ▶ Corrosion resistance: Negligible deterioration after 40 day exposure test in CSIRO Votsch Salt Spray Chamber testing
- ▶ Weather resistant: Negligible deterioration after Accelerated cyclic exposure to CSIRO Environmental Test Chamber
- ▶ Hydrophobic: Contact angle greater than 110° (CSIRO Rame-Hart Goniometer testing)
- ▶ Thermal conductivity: 0.04 W/m·K tested as per ASTM C518-17
- ▶ Weighted sound absorption Coefficient: 0.1 (ISO-354)
- ▶ Sound Reduction index: 21 dB (ISO-10140-2)

Panel Properties

- ▶ Impact resistant: Superior to aluminium honeycomb
(CSIRO Dart test based on ASTM D7136)
- ▶ UV resistance: Superior to aluminium (ASTM G154)
- ▶ Teflon based facing: Fully washable
- ▶ Aesthetic finish: Improves lighting
- ▶ Panel Thickness: 20 mm

System Specifications

- ▶ Grid Size: 2400 mm x 1200 mm Maximum
- ▶ Airgap (Shell plate to back of panel):
 - 150 mm Bulkhead
 - 300 mm Deck
- ▶ Quick install: 1.5 hours/m²
- ▶ System Weight: 5.2 kg/m²



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