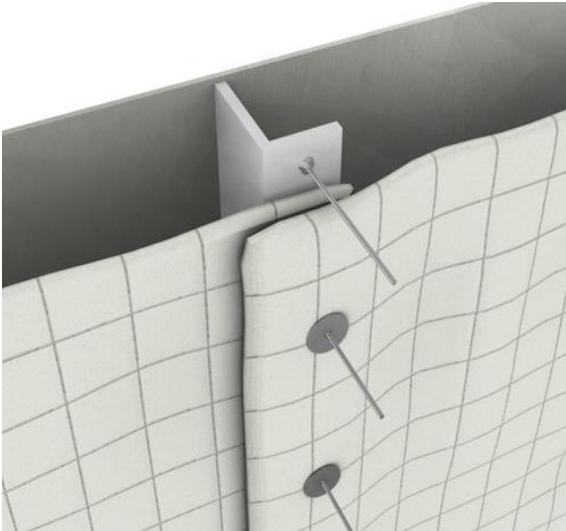


High performance acoustic, thermal and fire insulation

A Class certificates on steel deck

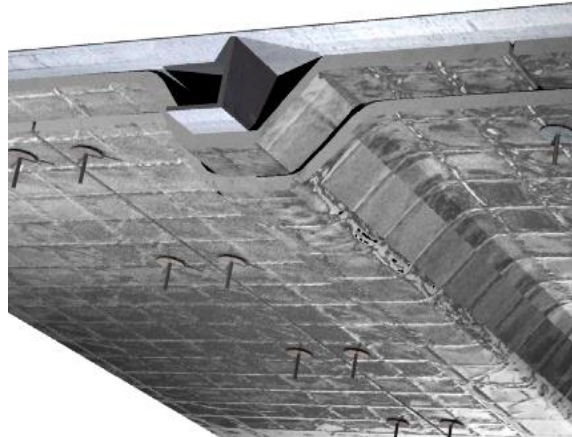
Steel deck – A60 (MED 098712CS/002)

10mm PROMAGUARD® +220g/m² glass cloth
95mm air gap solution



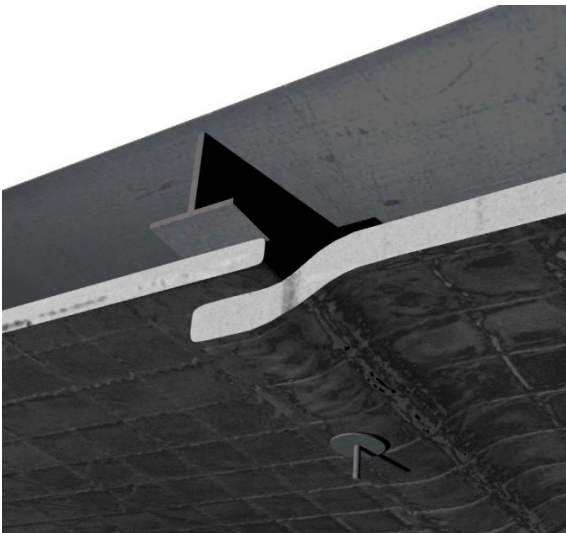
Steel Deck - A60 (MED024812CS/002)

2x10mm PROMAGUARD® staggered joints
Contact solution



Steel deck – A60 (MED 024812CS/003)

15mm PROMAGUARD® Alu with overlapped joints
50mm air gap solution



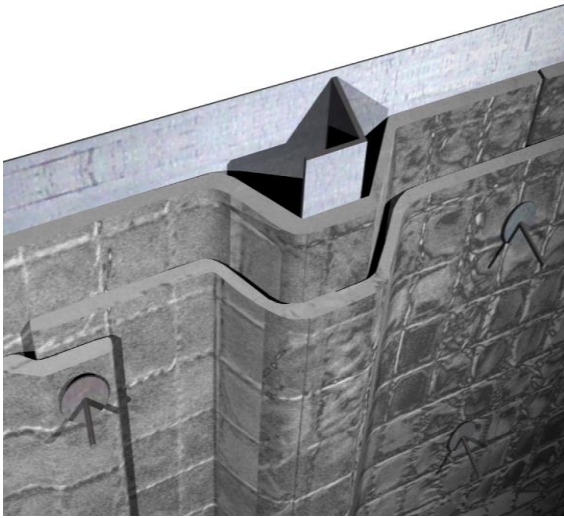
High performance acoustic, thermal and fire insulation

A Class certificates on steel bulkhead

Steel bulkhead – A60 (MED322116CS/007)

6mm + 10mm PROMAGUARD® ALU with 50mm overlapped joints.

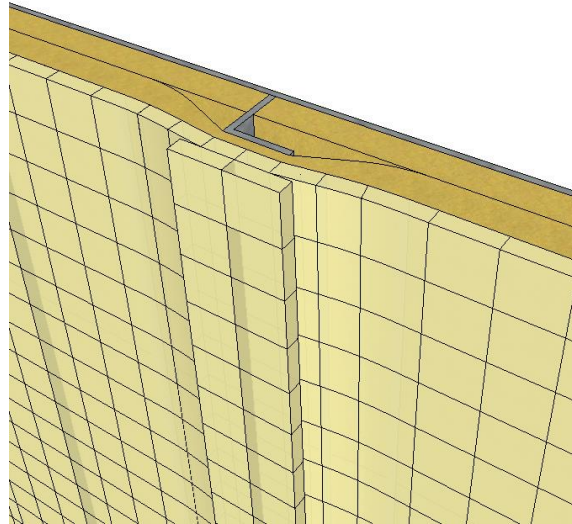
Contact solution



Steel bulkhead – A60 (MED194014CS)

UP TO 4 HOURS OF FIRE INSULATION

30mm + 30mm Ultimate® mineral wool + 15mm PROMAGUARD® with joints covered with 100mm strips of 15mm PROMAGUARD®



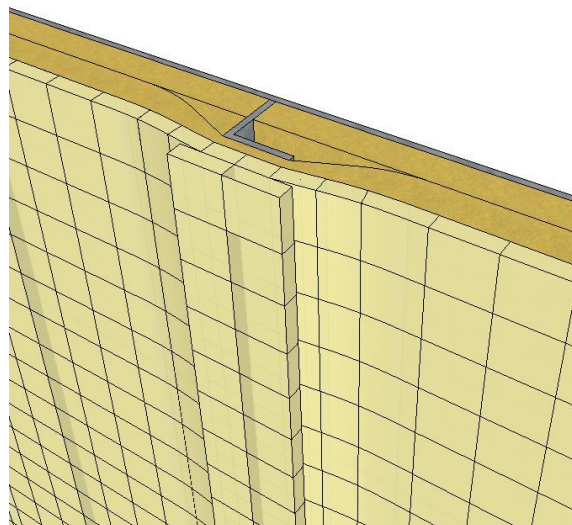
Steel bulkhead – A60 (MED024812CS/001)

15mm PROMAGUARD® ALU with 50mm overlapped joints
50mm air gap solution



Steel bulkhead – A60 Unrestricted (164.112/1121/WCL MED 0448TE) A180 UNRESTRICTED BULKHEAD SYSTEM

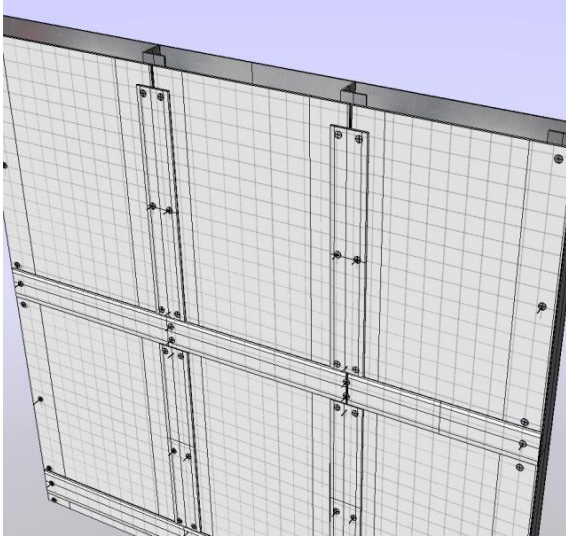
30mm + 30mm Ultimate® mineral wool + 15mm PROMAGUARD® with joints covered with 100mm strips of 15mm PROMAGUARD®
3 hours of fire insulation



High performance acoustic, thermal and fire insulation

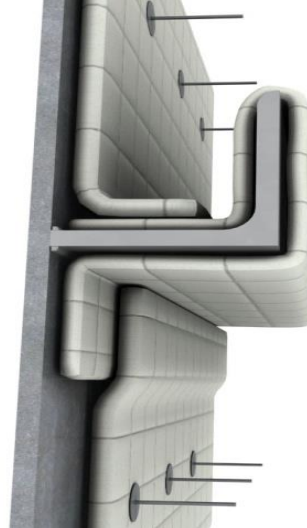
Steel bulkhead – A60 (WCL MED0434TE)

10mm PROMAGUARD® with joints covered with 100mm strips of 10mm PROMAGUARD®
50mm air gap solution



Steel Bulkhead - A30 (MED228713CS)

6mm PROMAGUARD® on stiffeners + 10mm PROMAGUARD® on flat plate + 220g/m² glass cloth
Contact solution

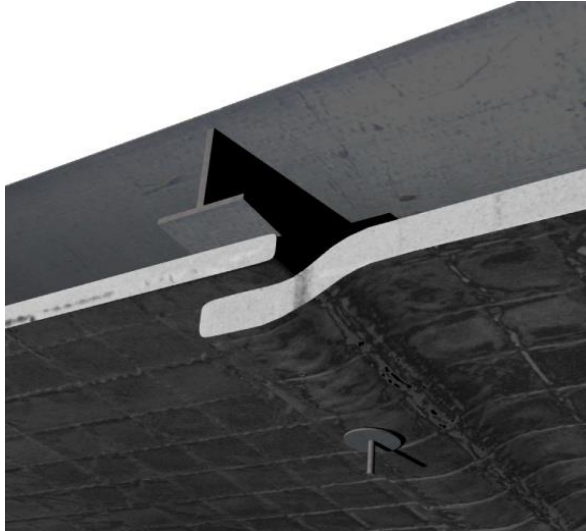


High performance acoustic, thermal and fire insulation

A Class certificates on aluminium deck

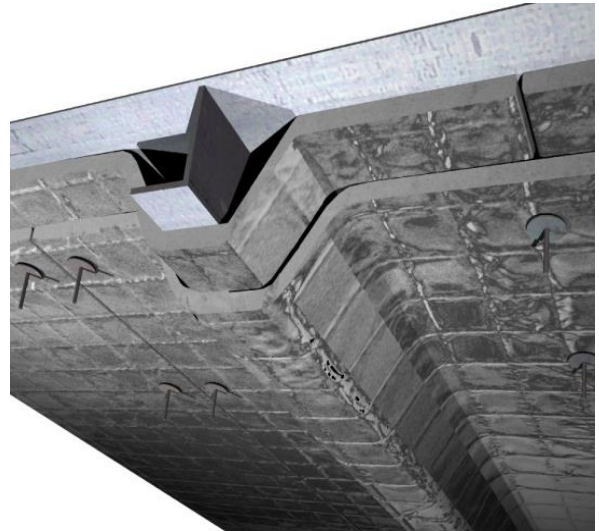
Aluminium Deck - A60 (MED241115CS/003)

15mm PROMAGUARD® ALU with 50mm overlapped joints
50mm air gap solution



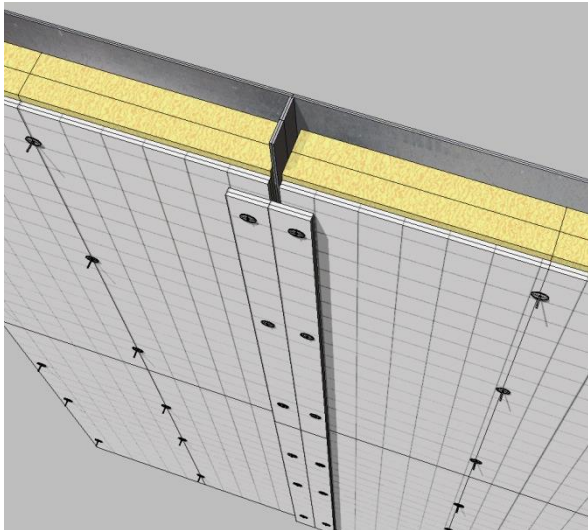
Aluminium Deck - A60 (0987/MED-B/353)

10mm + 10mm PROMAGUARD® with 50mm overlapped joints
50mm air gap solution



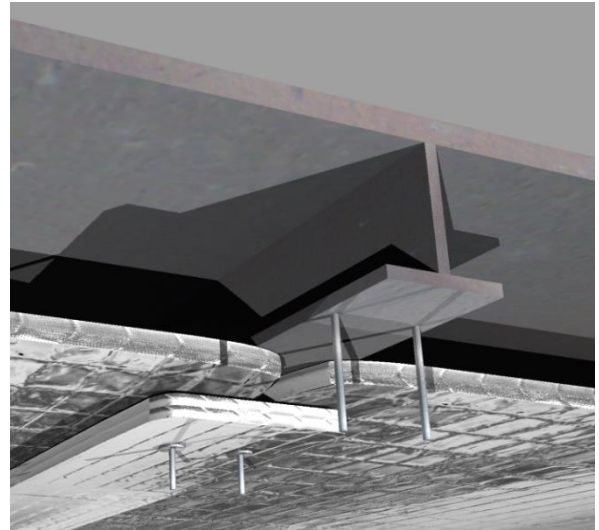
Aluminium Deck – A60 (LAB 284914CS) PROMAGUARD® ALU ACOUSTIC

60mm PROMALAN® + 10mm PROMAGUARD® with joints covered
with 100mm strips of 10mm PROMAGUARD® Alu



Aluminium Deck - A30 class (MED359913CS/002)

10mm PROMAGUARD® Alu with staggered joints covered with
100mm strips of 10mm PROMAGUARD® ALU
50mm air gap solution

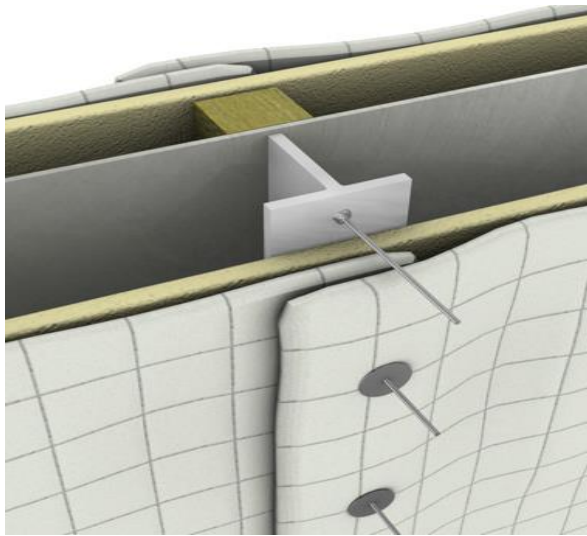


High performance acoustic, thermal and fire insulation

A Class certificates on aluminium bulkhead

Aluminium bulkhead - A60 Fire on both sides (MED1450022)

20mm PROMAGLAF® WB + 10mm PROMAGUARD® + 220g/m² of glass cloth on both sides
30mm and 60mm air gap solution



Aluminium bulkhead - A60 (0987/MED-B/332)

10mm + 10mm PROMAGUARD® with 50mm overlapped joints*
Contact solution
*LAPI assessment n°1758/10 for staggered joints



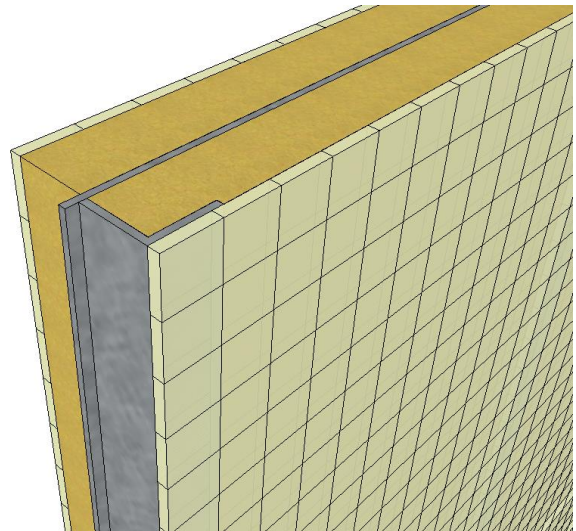
Aluminium bulkhead - A60 (MED241115CS/001)

15mm PROMAGUARD® ALU with 50mm overlapped joints
50mm air gap solution



Aluminium bulkhead - A60 fire on both sides (MED 186815CS)

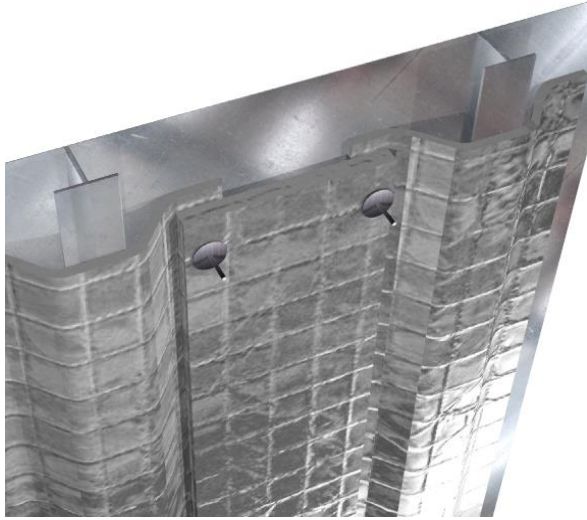
60mm PROMALAN® + 10mm PROMAGUARD® on each side



High performance acoustic, thermal and fire insulation

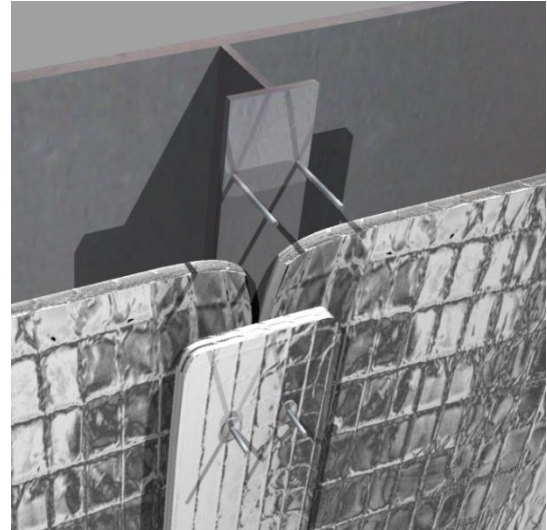
Aluminium bulkhead - A30 (MED241115CS/002)

10mm PROMAGUARD® Alu on stiffeners + 15mm on steel plate
Contact solution



Aluminium bulkhead - A30 (MED359913CS/001)

10mm PROMAGUARD® Alu with staggered joints covered with
100mm strips of 10mm PROMAGUARD® ALU
50mm air gap solution





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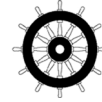
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PROMAGUARD®



High temperature flexible microporous insulation panel

PROMAGUARD® panels are flexible microporous insulation panels with very good thermal properties. The panels are produced in a glass cloth outer envelope, making them clean and easy to handle. The formulation is an opacified blend of filament reinforced pyrogenic silica.

PROMAGUARD® is designed to meet SOLAS, IMO, and MCA standards for passive fire protection.

Technical data

		Glass cloth (E-Glass)* - ALU2
Standard finishing		Glass cloth (E-Glass)* - ALU2
Stitching pitch size	mm	50 x 50
Classification temperature	°C	1000
Nominal density	kg/m ³	240
Compressive strength (ASTM C165)	MPa = N/mm ²	0.12
Thermal conductivity (ISO 8302, ASTM C177)		
200 °C	W/m K	0.026
400 °C	W/m K	0.030
600 °C	W/m K	0.038
800 °C	W/m K	0.049
Specific heat capacity		
200 °C	kJ/kg K	0.86
400 °C	kJ/kg K	0.96
600 °C	kJ/kg K	1.03
800 °C	kJ/kg K	1.07
Shrinkage		
1-sided 12h - 1000 °C	%	< 0.5
Full soak 24h - 1000 °C	%	< 6

* Special coverings and coatings are available on request.

Delivery sizes

Length	mm	1200
Width	mm	600
Thickness	mm	6 / 8 / 10 / 12

Production tolerances

Length	mm	± 3
Width	mm	± 3
Thickness	mm	± 1

PROMAGUARD®

Properties & advantages

- Lightweight systems
- Flexible
- Extremely low thermal conductivity
- High thermal stability
- Shock and vibration resistant
- Non-combustible
- Clean and easy to install
(procedure can be found on our website)
- Simple to cut and shape
(procedure can be found on our website)
- No harmful respirable fibres
- Environmentally friendly, free of organic binders
- Resistant to most chemicals

Application areas

Microporous insulation offers an extremely low thermal conductivity, close to the lowest theoretically possible at high temperatures. Microporous materials are the preferred choice in demanding PFP (Passive Fire Protection) systems.

MARINE

- PFP (Passive Fire Protection) systems for bulkheads, decks, hatches on steel, ALU, or GRP structures
- Exhaust systems
- Scrubbers



Working & processing

PROMAGUARD® can be shaped easily with a simple cutter (the procedure can be found on our website). The panels can be fixed in place with glue or by mechanical means such as anchors, pins and clips.

Dust is produced during procession. Dust can be harmful to health. Avoid contact with eyes and skin. Do not breathe in the dust. Dust should be removed by suction. The dust limits are to be adhered to. See product safety information sheet.

Thermal conductivity

