



Germanischer Lloyd

Approval Certificate

This is to certify, that the product identified below has been tested in accordance with the relevant procedures as contained in the Fire Test Procedure Code (IMO-Res. MSC.61(67)) and was found in compliance with the applicable performance criteria contained in the specified standard.

Certificate No. **45 122 - 07 HH**

Company **ROCKWOOL A/S
Hovedgaden 584
2640 Hedehusene, DENMARK**

Product Description **A-60 ALUMINIUM BULKHEAD**

Product Type **Class A-60 bulkhead**

Approval Standard **- IMO Res.A.754(18)
- IMO Res.MSC.61(67), Annex 1, Part 3**

Documents **Test report no: see schedules page 2 and 3**

Application **The above product may be applied on ships classed with Germanischer Lloyd and on ships for which the Society is responsible for the issue of the relevant certificate required by the "International Convention for the Safety of Life at Sea, 1974" including amendments as authorized by contracting governments.**

Remarks **None**

Valid until **2012-08-07**


The company must inform Germanischer Lloyd of any modification or changes to approved product in order to obtain a valid certificate.

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Germanischer Lloyd


Dr. Dieter Krüger


Tobias Funk

The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable.
German law applies.

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**Product group: A-class division,
class A-60 bulkhead, aluminium**

Common International Solutions:

Construction	Product Description	Application / Limitations	Type Approval Documentation
<p>Solution no 1 – A60BH-Alu</p> <p>A-60 Bulkhead, Aluminium</p> <p>Rockwool Marine Firebatts 130 2x30 mm / 2x30 mm Both sides</p>	<p>A-60 Bulkhead, Rockwool Marine Firebatts 130.</p> <p>Composed of Aluminium bulkhead insulated with minimum 2 x 30 mm mineral wool of type "Rockwool Marine Firebatts 130" of density 130 kg/m³ between stiffeners, and minimum 2 x 30 mm mineral wool around stiffeners. The bulkhead is to be insulated on both sides, same built-up.</p> <p>The bulkhead insulation is mounted with standard 3 mm steel pins and 38 mm steel clips (spring washers) at intervals of approx 300 / 400 mm, according to drawing.</p>	<p>Approved for use as a Class A-60 Bulkhead. General application. Fire against either side.</p>	<p>Test report G 10699 / 7735 , 3 October 2000 , DIFT</p>
<p>Solution no 2 – A60BH-Alu</p> <p>A-60 Bulkhead Restricted, Aluminium</p> <p>Rockwool Marine Firebatts 130 2x30 mm / 2x30 mm</p>	<p>A-60 Bulkhead Restricted, Rockwool Marine Firebatts 130.</p> <p>Composed of Aluminium bulkhead insulated with minimum 2 x 30 mm mineral wool of type "Rockwool Marine Firebatts 130" of density 130 kg/m³ between stiffeners, and minimum 2 x 30 mm mineral wool around stiffeners.</p> <p>The bulkhead insulation is mounted with standard 3 mm steel pins and 38 mm steel clips (spring washers) at intervals of approx 300 / 400 mm, according to drawing.</p>	<p>Approved for use as a Class A-60 Bulkhead.</p> <p>Restricted application with fire against the insulated side.</p>	<p>Test report G 10125 / 5996 26 January 1996 DIFT</p>

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**Product group: A-class division,
class A-60 bulkhead, aluminium**

Local National Solutions:

Construction	Product Description	Application / Limitations	Type Approval Documentation	National Country
Solution no A – A60BH-Alu A-60 Bulkhead Restricted, Aluminium Rockwool Marine Wired Mat 125 2x30 mm / 2x30 mm	A-60 Bulkhead Restricted, Rockwool Marine Wired Mat 125 Composed of Aluminium bulkhead insulated with minimum 2 x 30 mm mineral wool of type "Rockwool Marine Wired Mat 125" of density 125 kg/m ³ between and above stiffeners. The bulkhead insulation is mounted with standard 3 mm steel pins and 38 mm steel clips (spring washers) at intervals of approx 300 / 400 mm, according to drawing.	Approved for use as a Class A-60 Bulkhead. Restricted application with fire against the insulated side.	Test report 103020.07 SINTEF 15.10.2001	Norway Rockwool Firemat 100 (Brannmatte)

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