

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. **44 894 - 07 HH**

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

Product Description **Protection coverings for insulating materials. The range of products is listed on Page 2.**

Product Type **Low flame spread surface material**

Approval Standard **IMO Res.MSC.61(67), Annex 1, Parts 2 and 5; Annex 2, Item 2.2
IMO Res.A.653(16)**

Documents **Test report nos: 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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Hamburg, 2008-11-20

Germanischer Lloyd


Dr. Dieter Krüger


John Alan Walton

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

Approval Certificate

**Product group: “Rockwool Marine Products”
surface protection materials, decorative veneers and
exposed floor surfaces with low flame spread
characteristics:**

Product description:

The tested non-combustible insulating materials listed on Page 3 of this certificate are faced with either aluminium foil, reinforced aluminium foil, glass net or fibreglass reinforced plastic products listed below. These products are glued or stitched to the insulating materials.

The adhesives should have low flame spread characteristics. The application of the coverings to the insulating materials shall be in accordance with the manufacturer’s instructions.

Trade Name	Test report	Manufacturer
ALU FOIL 130	F10449 dated 1997-12-12, DIFT	As stated in product test reports
ALU 32	PF10798a and PF10798b dated 1999-10-25, DANAK_DNV	See above.
ALU 110	PF10798c dated 1999-10-25, DANAK_DNV	See above.
ALU PIPE	PF10798d dated 1999-10-25, DANAK_DNV	See above.
GLASS CLOTH 45	PF11113A dated 2001-09-25 and PF 11191A dated 2001-12-10, DANAK and PF12473a dated 2006-10-26, DIFT	See above.
GLASS CLOTH 130	PF11113B dated 2001-09-25 and PF 11191B dated 2001-12-10, DANAK	See above.
GLASS CLOTH 150	PF12473b dated 2006-10-26, DIFT	See above.
ALU BP 110	00.180 dated 2000-08-30, SINTEF	See above.
95gm2 reinf alu (density 165 kg/m ³)	11250A dated 2004-05-17, GENT	See above.
60gm2 glass vlies binder (density 165 kg/m ³)	11250B dated 2004-05-17, GENT	See above.
Marine Rocktight	WF 12274 dated 2006-05-24 Warringtonfire-Gent WF 168775 dated 2008-03-12 Bodycote-Warringtonfire	See above.

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Product group: “Rockwool Marine Products”
Non-combustible insulating materials and floor materials
to which the coverings listed on Page 2 of the certificate
may be applied.

Trade Name	Test report	Manufacturer
Rockwool Marine Batts 27-55	PF10798a dated 1999-10-25, DIFT	As stated in product test reports
Rockwool Marine Slab 55-300	PF10798b dated 1999-10-25, DIFT	See above.
Rockwool Marine Firebatts 100-150	PF10798c dated 1999-10-25, DIFT	See above.
Rockwool Marine Wired Mat 35-150	PF10798d dated 1999-10-25, DIFT	See above.
Marine Pipe Section	F10449 dated 1997-12-12, DIFT	See above.
Rockwool Marine Lamella Mat 32-45	PF 12008 dated 2005-04-12; PH12135 dated 2002-03-01 and H11207 dated 1990-01-28, DIFT	See above.

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