Approval Certificate

Germanischer Lloyd

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.	**44 892 - 07 HH**
Company	**ROCKWOOL A/S** **Hovedgaden 584** **2640 Hedehusene, DENMARK**
Product Description	**product group: Rockwool Pipe Sections**
Product Type	**Non-combustible material**
Approval Standard	**- IMO Res.MSC.61(67), Annex 1, Part 1** **- IMO Res.A.799(19)**
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.

Hamburg, 2007-08-08

Germanischer Lloyd

Dr. Dieter Krüger

Hiltraud Möhlmann

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

Approval Certificate

Germanischer Lloyd

Product group: "Rockwool Pipe Sections"
performed pipe sections of stone wool
of density between 60-180 kg/m³

Trade Name	Description	Test report	Manufacturer
Rockwool Marine Universal Pipe Section	insulation density 60 kg/m³	F10853 dated 2000-03-27, DIFT	Rockwool A/S Hovedgaden 501 2640 Hedehusene Denmark
Rockwool Univeralrorskal	insulation density 60 kg/m³	F10853 dated 2000-03-27, DIFT	Rockwool Scandinavia
Rockwool 800	insulation density 100 kg/m³ faced with aluminum foil outside	NU97.2.1 dated 1998-07-02, BVHH	Deutsche Rockwool Mineralwoll GmbH & Co. OHG Rockwool Straße 37-41 45966 Gladbeck, Germany
Rockwool 880	insulation density 100 kg/m³	NN99.19.8 dated 1999-10-19, BVHH	Deutsche Rockwool
Rockwool Alu Pipe Section 864	insulation density 115 kg/m³,	PF11670 dated 2004-01-21, DIFT	Rockwool A/S Hovedgaden 501 2640 Hedehusene Denmark
Rockwool Insustrial Pipe Section 850	insulation density 115 kg/m³,	PF11670 dated 2004-01-21, DIFT	Rockwool Scandinavia
Rockwool Alu Pipe Section 400/864	insulation density 115 kg/m³,	PF11670 dated 2004-01-21, DIFT	Rockwool Scandinavia
Rockwool Pipe Section 810	insulation density 115 kg/m³,	PF11670 dated 2004-01-21, DIFT	Rockwool Scandinavia
Rockwool Rorskal 850/851	insulation density 115 kg/m³,	PF11670 dated 2004-01-21, DIFT	Rockwool Scandinavia
Rockwool Rorskal 400/864	insulation density 115 kg/m³,	PF11670 dated 2004-01-21, DIFT	Rockwool Scandinavia
Roxul Pipe Section	insulation density 115 kg/m³,	PF11670 dated 2004-01-21, DIFT	Roxul Asia Snd Bhd 175 A&B Kawasan Perindustrian Air Keroh 75450 Melaka Malaysia

Certificate No. **44892-07 HH**

Hamburg, 2007-08-08

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German law applies.

Approval Certificate

Germanischer Lloyd

Product group: "Rockwool Pipe Sections"
performed pipe sections of stone wool
of density between 60-180 kg/m³

Trade Name	Description	Test report	Manufacturer
Rockwool Conlit 856 Pipe Section	insulation density 180 kg/m³,	2004-CVB-R0086 dated 2004-05 TNO	Rockwool Technical Insulation B.V. P.O. Box 1160 NL-6040 KD ROERMOND The Netherlands
Rockwool Conlit Pipe Section	insulation density 180 kg/m³,	2004-CVB-R0086 dated 2004-05 TNO	Rockwool Benelux
Rockwool Pipe Section 850	insulation density 180 kg/m³,	2004-CVB-R0086 dated 2004-05 TNO	Rockwool Benelux
Rockwool H&V Pipe Section	insulation density 180 kg/m³,	2004-CVB-R0086 dated 2004-05 TNO	Rockwool Benelux

Certificate No. **44892-07 HH**

Hamburg, 2007-08-08

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German law applies.