

## EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC and 2002/84/EC subject to any conditions in the Design Appraisal Document attached hereto.

**Manufacturer** Rockwool Technical Insulation B.V.

**Address** Industrieweg 15  
6045 JG Roermond  
P.O. Box 1160  
6040 KD Roermond  
The Netherlands

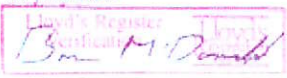
**Annex A1 Item** A.1/3.18 - SURFACE MATERIALS & FLOOR COVERINGS WITH LOW FLAME-SPREAD CHARACTERISTICS (a): Decorative Veneers

**Product Type** MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS & NOT CAPABLE OF PRODUCING EXCESSIVE QUANTITIES OF SMOKE & TOXIC PRODUCTS OF COMBUSTION

**Product Description** Fire Resisting Material - Type: "Aluminium Foil Covering"

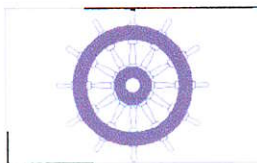
**Specified Standard** IMO Fire Test Procedures Code, Annex 1, Part 5 and Annex 2

The attached Design Appraisal Document (schedule) forms part of this certificate.  
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue	29 July 2004	Expiry date	28 July 2009
Certificate No.	MED 0450226	Signed	
Sheet No	of 2	Name	B. McDonald For and on behalf of Lloyd's Register Verification LRV EC Distinguishing No. 0038

Note:

**This certificate is not valid for equipment; the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.**



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Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

yy Last two digits of year mark affixed.

**This certificate is issued under the authority of the MCA.**

"Lloyd's Register Verification is the business name of Lloyd's Register Verification Limited, a member of the Lloyd's Register Group.  
Registration number 4929226.  
Registered office 71 Fenchurch Street, London EC3M 4BS, England

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Issue number 1

**DESIGN APPRAISAL DOCUMENT**

Date 29 July 2004	Quote this reference on all future communications LPA/SSS/FSS/FITA/BM
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**ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 0450226**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

**APPROVAL DOCUMENTATION**

University of Gent, Gent, Belgium, Test Report No. 11250A, dated 17 May 2004.

**CONDITIONS OF CERTIFICATION**

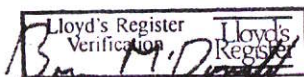
1. When applied to Rockwool insulation.
2. System consists of: aluminium foil covering of nominal weight 95g/m<sup>2</sup> adhered with pe-resin.
3. Smoke and toxicity criteria is satisfied by meeting the total heat release (Q<sub>t</sub>) and peak heat release rate (q<sub>p</sub>) as stated in IMO Fire Test Procedures Code, Annex 2, Section 2.2
4. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.

**PLACE OF PRODUCTION**

Rockwool Lapinus Productie B.V.  
Industrieweg 15  
6045 JG Roermond  
P.O. Box 1160  
6040 KD Roermond  
The Netherlands

Flumroc AG  
CH-8890 Flums  
Switzerland

Deutsche Rockwool Mineralwoll GmbH & Co. OHG  
Rockwoolstraße 37-41  
D-45966 Gladbeck  
Germany



Bruce McDonald  
Surveyor  
For and on behalf of Lloyd's Register Verification  
LRV EC Distinguishing No. 0038