



**EC TYPE EXAMINATION (MODULE B)  
CERTIFICATE No. MED076017CS**

*This is to certify that RINA Services S.p.A. did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of (EU) 2017/306.*

<i>MED Item N°</i>	<b>MED/3.11a</b>
<i>USCG Category N°</i>	<b>164.107</b>
<i>Description</i>	<b>'A' and 'B' Class divisions fire integrity: (a) 'A' Class divisions</b>
<i>Type</i>	<b>ULTIMATE Aluminium Bulkhead A-30 restricted</b>
<i>Applicant</i>	<b>SAINT-GOBAIN ISOVER G+H AG</b> BURGERMEISTER GRUNZWEIG STRASSE 1 67059 LUDWIGSHAFEN GERMANY
<i>Testing standards</i>	<b>IMO Res. MSC.307(88)-(2010 FTP Code) - IMO MSC.1/Circ. 1435</b>
<i>Reference standards</i>	<b>Chap. II-2 of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment</b>

*Issued in Genoa on*  
March 27, 2017

*This Certificate is valid until*  
March 27, 2022

*This Certificate consists of this sheet plus an attachment*



**Massimo Dinale**

*RINA Services S.p.A.*



**ATTACHMENT TO  
CERTIFICATE No. MED076017CS**

**Page 1 of 2**

*Manufacturer*

**SAINT-GOBAIN ISOVER G+H AG, PLANT LUBZ**

*Place of Manufacturer*

INDUSTRIESTRASSE 11  
19386 LUBZ  
GERMANY

**Product description**

Bulkhead made of aluminium plate 6 mm thick, insulated, on stiffened side, with two layers of mineral wool panels, density 66 kg/m<sup>3</sup> and thickness 30 mm, named ULTIMATE UMPN 66/30 (in alternative, mineral wool types UMPX 66, UMPV 66, UMPA 66, UMPG 66-120, UMPG 66-220, UMPG 66-420, U Marine Wired Mat 66 Alu 1, U Marine Wired Mat 66 N, U Marine Wired Mat 66 V 1 may also be used). Four layers of the same insulating material are fitted below the stiffeners which are covered, all around, by one or two layers. The mineral wool panels are secured to the bulkhead plate and to the stiffeners by means of steel pins and washers welded with pitch of 150, 300 and 400 mm.

**Field of application**

Fire resistant A-30 Class load bearing bulkhead for restricted application.

**Reference documents**

Saint-Gobain Isover drawings Nos. AL.BH-A30 RESTR-66/30/1 and AL.BH-A30 RESTR-66/30/2 dated 12 September 2006 approved on 28 March 2007 respectively with endorsement No. LAB-367 and No. LAB-366.

**Tests carried out**

Test as per RINA Test Laboratory report No. 2006CS01651/1 issued on 15 March 2006 according to IMO Res. A.754(18).

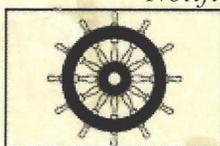




ATTACHMENT TO  
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*The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body*



XXXX/YYYY

**"WHEELMARK FORMAT"**

XXXX Notified Body number undertaking surveillance module

YYYY The year in which the mark is affixed

**USCG Approval**

This product has been assigned a U.S. Coast Guard module B number (*USCG number: 164.107/EC0474*) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27<sup>th</sup>, 2004.

The manufacturer is allowed to affix the U.S. Coast Guard approval number to the above equipment subject to the authorization of the Notified Body undertaking the surveillance module.

***General conditions for the approval***

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reappraised prior to it being placed on board vessels to which the amended regulations or standards apply.



**Massimo Dinale**

**RINA**

DIREZIONE GENERALE  
HEAD OFFICE

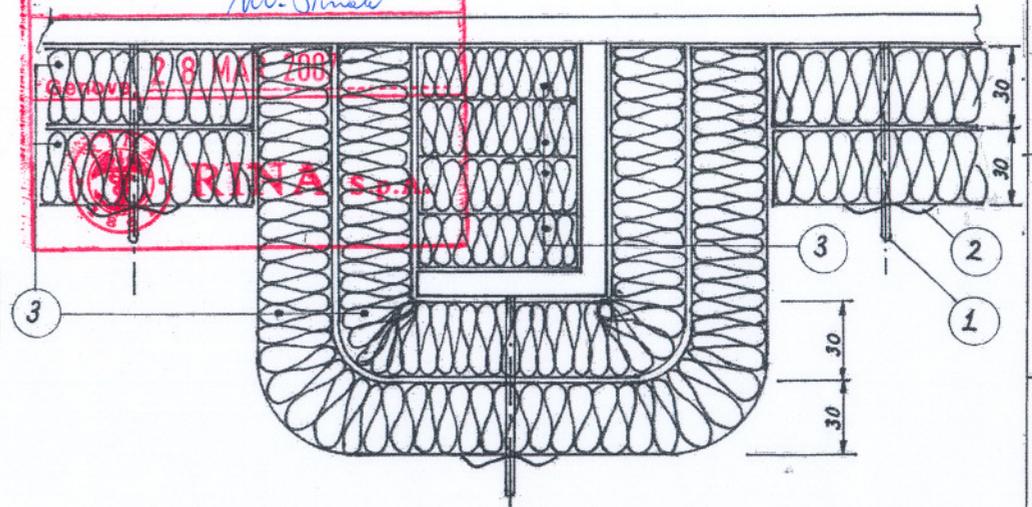
**APPROVATO  
APPROVED**

In conformità ai vigenti Regolamenti del RINA  
in compliance with the RINA Rules in force

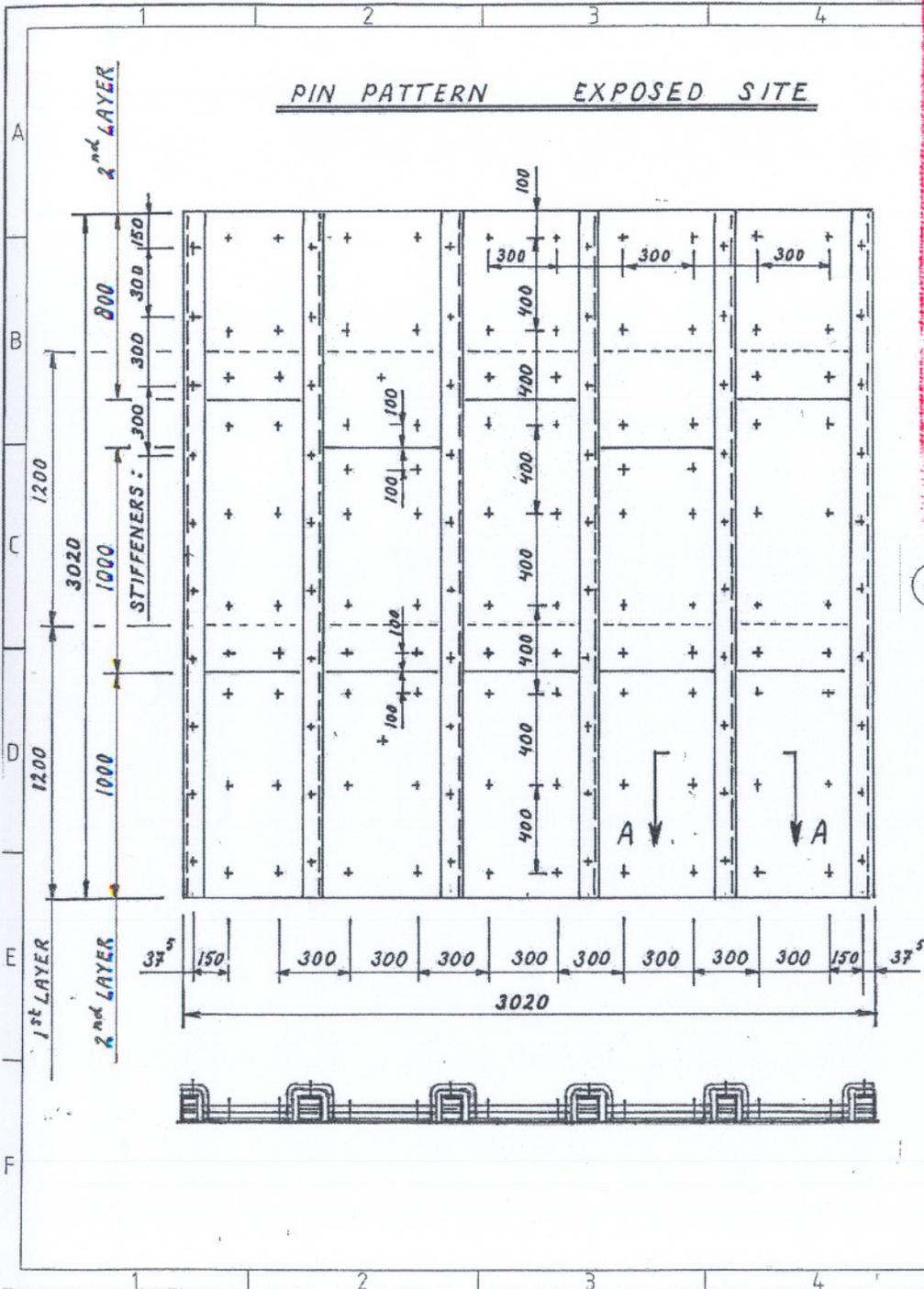
LAB JU 366 -

*M. Dinali*

SECTION A-A



PIN PATTERN EXPOSED SITE



	DESCRIPTION	SPECIFICATION	MANUFACTURER
3	INSULATION	ULTIMATE LUMPEN 66/30	SAINT-GOBAIN ISOVER
2	WASHERS	STEEL $\phi$ 38mm	HILBIG
1	PINS	TYPE VBS 3X80 StZn	HILBIG

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**ISOVER**

SAINT-GOBAIN ISOVER

Änderungen / Modifications		Datum / Date	
E			
D			
C			
B			
A			
Gezeichnet / Drawn <b>J. GOOR.</b>		Geprüft / Checked	
Datum / Date <b>09/2006</b>		Klass. Nr. / Class. No. <b>AL. 64 A30 RESTR. 66/30</b>	
Halbmaß / Scale <b>1:20 1:25</b>		Zeichnung Nr. / Drawing No. <b>2006/09/12</b>	
		Blätter / Pages <b>1/1</b>	

A 30 Restricted

ALUM. BULKHEAD ULTIMATE 66/30

**RINA** DIREZIONE GENERALE  
HEAD OFFICE

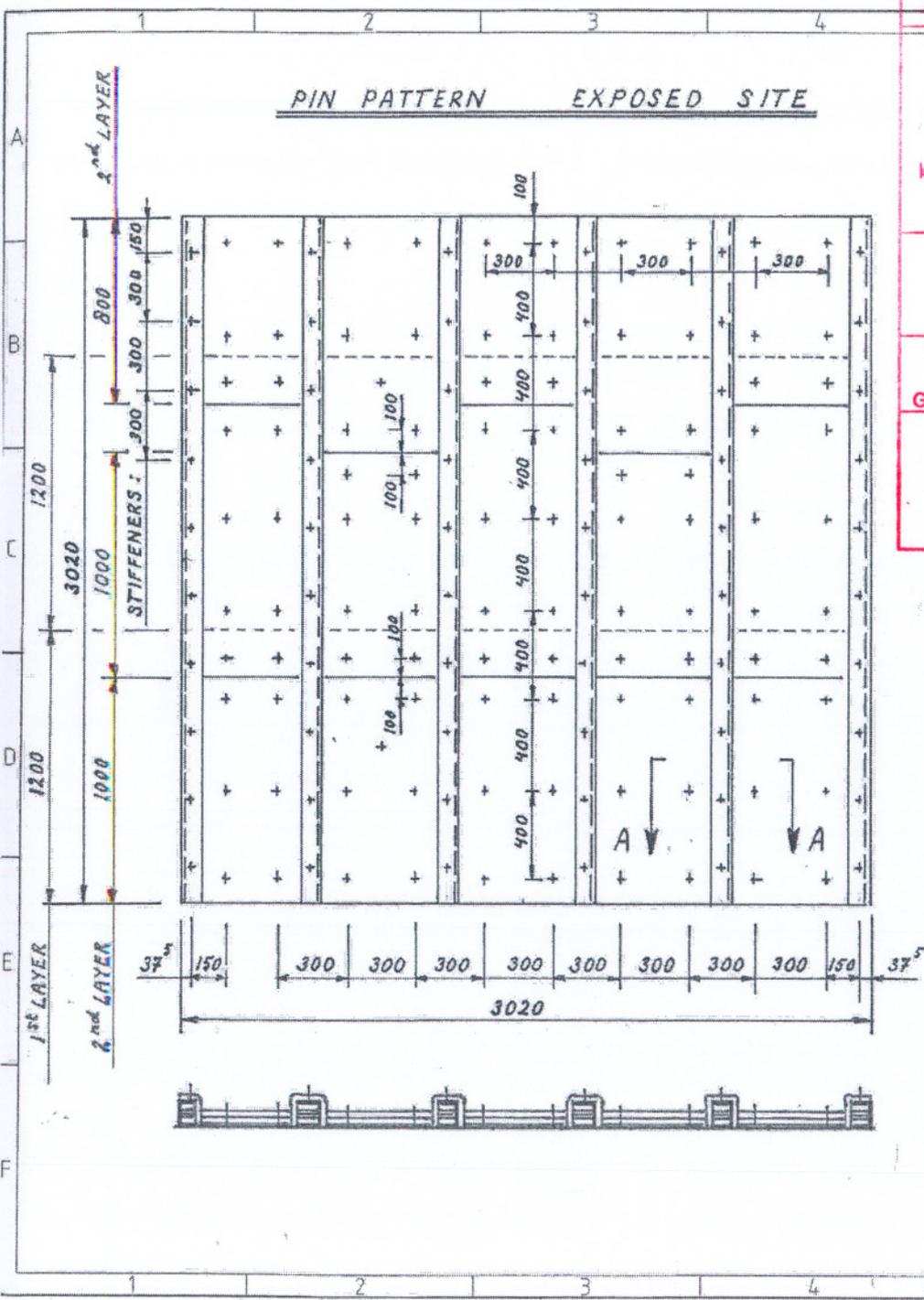
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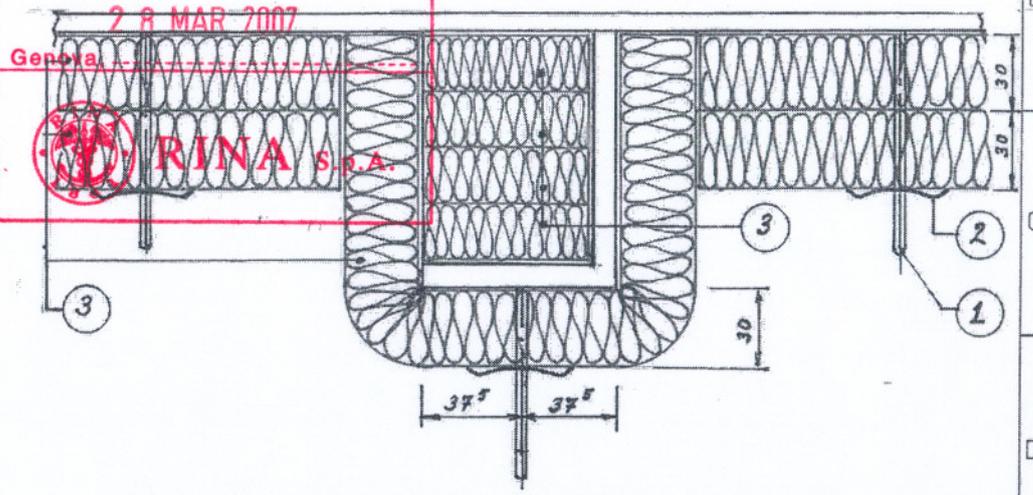
LAB 00367--  
*M. Dinale*

28 MAR 2007  
Genova

**RINA S.p.A.**



**SECTION A-A**



DESCRIPTION	SPECIFICATION	MANUFACTURER
3 INSULATION	ULTIMATE LUMPN 66/30	SAINT-GOBAIN ISOVER
2 WASHERS	STEEL $\phi$ 38mm	HILBIG
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**ISOVER** SAINT-GOBAIN ISOVER

A 30 Restricted																											
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<table border="1"> <tr> <td>Andarungen / Modifications:</td> <td>Datum / Date</td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Andarungen / Modifications:	Datum / Date											<table border="1"> <tr> <td>Maßstab / Scale</td> <td>Gezeichnet / Drawn</td> <td>Gepflicht / Checked</td> <td>Datum / Date</td> <td>Klass. Nr. / Class. No.</td> <td>Zeichnung Nr. / Drawing No.</td> <td>Blatt / Page</td> </tr> <tr> <td>1:20 1:2<sup>S</sup></td> <td>J. GOOR.</td> <td> </td> <td>03/2006</td> <td>AL.8H A30 RESTR.66/30/3</td> <td>2006/09/12</td> <td>2/1</td> </tr> </table>	Maßstab / Scale	Gezeichnet / Drawn	Gepflicht / Checked	Datum / Date	Klass. Nr. / Class. No.	Zeichnung Nr. / Drawing No.	Blatt / Page	1:20 1:2 <sup>S</sup>	J. GOOR.		03/2006	AL.8H A30 RESTR.66/30/3	2006/09/12	2/1
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