



Marine &amp; Offshore

Certificate number: 18967/D0 BV

File number: ACI 1000/499/001

Product code: 5210H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**SAINT-GOBAIN ISOVER G+H AG**

Ludwigshafen - GERMANY

*for the type of product*

**NON-COMBUSTIBLE MATERIALS**

ISOVER U Tech Pipe Section MT 4.0

ISOVER U Protect Pipe Section Alu2

### Requirements:

Bureau Veritas Rules for the Classification of Steel Ships, Part C, chapter 4

SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, II-2/9, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

IMO Res MSC.307(88) -(2010 FTP Code)-

IMO Res. MSC.61(67) -(FTP Code)- with IMO Res MSC.307(88) -(2010 FTP Code)- article 8

IMO MSC/Circ.1120

Transport Canada Requirements:

TP 14612

Vessel Fire Safety Regulations

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 30 Jun 2028**

**For Bureau Veritas Marine & Offshore,**

At BV HAMBURG, on 30 Jun 2023,

Udo Storm

***This certificate was created electronically and is valid without signature***



This certificate is recognized by Transport Canada

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## **THE SCHEDULE OF APPROVAL**

### **1. PRODUCT DESCRIPTION:**

#### **ISOVER U Tech Pipe Section MT 4.0**

Non-combustible mineral wool for pipe insulation.

Nominal density: 60 to 90 kg/m<sup>3</sup>

Nominal organic content: 2.7-3.3%

#### **ISOVER U Protect Pipe Section Alu2**

Non-combustible mineral wool covered with aluminium foil (thickness approx. 30 µm) for pipe insulation.

Nominal density : 80 kg/m<sup>3</sup>

### **2. DOCUMENTS AND DRAWINGS:**

2.1 - **ISOVER U Tech Pipe Section MT 4.0** : technical data sheet dated November 2022

2.2 - **ISOVER U Protect Pipe Section Alu2** : technical data sheet dated November 2022

### **3. TEST REPORTS:**

3.1 - **ISOVER U Tech Pipe Section MT 4.0**: test reports N° 20640093-10g dated 17/01/2014 and N°811686680-10 dated 04/06/2019, as per IMO 2010 FTP Code, Annex 1, Part 1, from DMT GmbH & Co.KG, Germany.

3.3 - **ISOVER U Protect Pipe Section Alu2**: test report N° 2010-B-4895.3 dated 10.02.2011, as per IMO FTP Code, Annex 1, Part 1, from MPA Dresden GmbH, Germany.

### **4. APPLICATION / LIMITATION:**

The fitting aboard to be the same as used for the test.

### **5. PRODUCTION SURVEY REQUIREMENTS:**

5.1- The **ISOVER U Tech Pipe Section MT 4.0 / ISOVER U Protect Pipe Section Alu2** are to be supplied by **SAINT-GOBAIN ISOVER G+H AG** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **SAINT-GOBAIN ISOVER G+H AG** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **SAINT-GOBAIN ISOVER G+H AG** has declared to Bureau Veritas the following production site(s):

**SAINT-GOBAIN ISOVER G+H AG**  
**Plant Bergisch Gladbach**  
**Jakobstrasse 10**  
**51465 Bergisch Gladbach**  
**GERMANY**

### **6. MARKING OF PRODUCT:**

The product or packing is to be marked with manufacturer name, type and designation.

### **7. OTHERS:**

7.1- It is **SAINT-GOBAIN ISOVER G+H AG**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2- This certificate supersedes Type Approval Certificate N° 18967/C0 BV issued on 12/01/2018 by the Society.

\*\*\* END OF CERTIFICATE \*\*\*