



中国船级社  
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.  
SH24PTB00278

型式认可证书  
CERTIFICATE OF TYPE APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

上海新型建材岩棉有限公司  
SHANGHAI ABM ROCK WOOL CO.,LTD.

地址/Address

中国上海市青浦区沪青平公路3828弄99号（邮编：201703）  
NO.99, 3828 LANE, HUQINGPING HIGHWAY, QINGPU DISTRICT, SHANGHAI, P.R.CHINA(POSTCODE:201703)

产品名称/Product

防火分隔  
Fire Division

附加标志/Notations

无/Nil.

认可标准/Approval Standard

1. 1974年国际海上人命安全公约及其修正案第II-1章第3-12条  
Regulation 3-12, Chapter II-1 of International Convention for the Safety of Life at Sea, 1974, as Amended
2. 1974年国际海上人命安全公约及其修正案第II-2章第3条  
Regulation 3, Chapter II-2 of International Convention for the Safety of Life at Sea, 1974, as Amended.
3. IMO 2010年FTP规则第3部分  
IMO 2010 FTP Code Part 3
4. MSC. 337 (91) 《船上噪声等级规则》  
MSC.337(91) Code on Noise Levels on Board Ships
5. 中国船级社《船舶及产品噪声控制与检测指南》第3篇第4章  
Chapter 4, Part Three of China Classification Society Guidelines for Noise Control and Testing of Ships and Products

用于/Intended for

船舶/Ships

产品明细/Product Description

耐火甲板/Fire Deck (M0001)

| 名称/Name | 属性(值)/Value             | 单位/Unit |
|---------|-------------------------|---------|
| 型号/Type | 见附页/See additional page |         |

证书有效期至/This Certificate is valid until 2030年02月05日/ Feb. 05,2030

发证机构/Issued by 中国船级社上海分社  
CHINA CLASSIFICATION SOCIETY Shanghai Branch

签发日期/Date 2025年02月05日  
Feb. 05,2025

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体，必须同时使用。纸质证书每页均须由本社盖章方为有效，电子证书含数字签名方为有效，本证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时，可以向本社检验机构咨询。本证书凡是未注明版本的规范，其（发证时）最新版本适用于本证书。  
This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices. For Rules with no version indication, their latest version (at the time of issuance of the certificate) applies to the this certificate.

Form No: T01.

联系方式/Contact Us, 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)



UTN:P025-00550037

|                           |                         |  |
|---------------------------|-------------------------|--|
| 图号/Drawing No.            | 见附页/See additional page |  |
| 结构型式/Type of Construction | 见附页/See additional page |  |
| 隔热材料/Insulation Material  | 见附页/See additional page |  |
| 耐火等级/Fire Class           | 见附页/See additional page |  |
| 隔声性能/Sound Insulation     | 见附页/See additional page |  |

**耐火舱壁/Fire Bulkhead (M0001)**

| 名称/Name                   | 属性(值)/Value             | 单位/Unit |
|---------------------------|-------------------------|---------|
| 型号/Type                   | 见附页/See additional page |         |
| 图号/Drawing No.            | 见附页/See additional page |         |
| 结构型式/Type of Construction | 见附页/See additional page |         |
| 隔热材料/Insulation Material  | 见附页/See additional page |         |
| 耐火等级/Fire Class           | 见附页/See additional page |         |
| 隔声性能/Sound Insulation     | 见附页/See additional page |         |

**批准的图纸/Approved Drawings**

图纸批准号/ Drawings Approval No. : SH17A00227

**产品认可试验报告/ Approval Test Report**

试验报告编号/ Test Report No. : FT12104  
 试验报告日期/ Test Report Date : 2012-05-17  
 试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre  
 试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai

试验报告编号/ Test Report No. : FT12086  
 试验报告日期/ Test Report Date : 2012-04-27  
 试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre  
 试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号 (邮编: 201417) 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai (Postcode: 201417)

试验报告编号/ Test Report No. : NTC(2017)-JZ-CCS-010, 011, 012  
 试验报告日期/ Test Report Date : 2017-06-22  
 试验单位/ Laboratory: 中国船舶工业噪声检测中心 China Ship Industry Noise Test Center  
 试验单位地址/ Test Address: 湖北省武汉市武昌区张之洞路268号 No. 268 Zhangzhidong Road, Wuchang District, Wuhan City, Hubei Province, China

试验报告编号/ Test Report No. : FT12085  
 试验报告日期/ Test Report Date : 2012-04-16  
 试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre  
 试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai

**认可后的产品检验方式/ Method of Product Inspection after Approval**

按规范只认可不进行产品检验的产品/The product approved only in term of the rules:  
 认可后的产品由制造厂检验合格后签发合格证明, 并连同该产品的本社认可证书复印件一并交付用户, 制造厂对产品符合公约、法规、本社规范和本社认可的标准规定负责。  
 After approval, product inspection should be carried out by the Manufacturer. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

**认可保持条件/ Maintenance Requirements of Approval**

1. 型式认可后, 如果产品及其重要零部件的设计、所用材料或制造方法有所改变, 且影响到产品的主要特性、特征; 或产品的性能指标有所更改, 且超过认可的范围, 则有关图纸和文件应经检验机构审批。并在检验机构认为必

要时，经本社检验人员见证有关试验和进行检查，其结果应能证实仍符合认可条件。

After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

2. 工厂的质量管理体系应保持有效运行，并且与认可时一致。如果质量管理体系发生改变，应经原体系认证机构审核并报本社批准。

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 认可证书有效期内，如果出现可能导致本社取消认可的情况，工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.

4. 在认可证书有效期内，本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核，以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 证书获得者应接受本社每年一次的定期审核，定期审核日为认可证书期满之日对应的每一周年日，检查工作应在周年日的前后三个月内进行。

Those who have obtained the certificate should be subject to periodical audit every year. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

## 备注/Remarks

本证书由原型式认可证书（No. SH20PTB00265）换新并替代原证书。

This certificate is renewed from and supersedes the previous Type Approval Certificate No. SH20PTB00265.

A级耐火甲板和耐火舱壁（包括将隔热材料紧固于A级结构构件的方法）应与该隔热材料在认可试验中使用的及在耐火试验报告中的材料、细节、布置相一致。

A class fire decks and fire bulkheads (including the means of affixing the insulation materials to the A class structural members) shall be the same as the insulation materials, details, stepping of joints used in the approval test and the fire test reports.

本社已审核了产品厂无石棉声明，但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。

The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

中国船级社上海分社

CCS Shanghai Branch

注：本证书含有附页，共3页

Note: The certificate is attached with additional 3 page(s)

产品明细

Product Description

1. 产品名称/Product name: A-60 级舱壁/A-60 class bulkhead
2. 型号/Model: TKAB-3B
3. 图号/Drawing No.: TKAB-3B(原/Original: ABM-A60-3B01)
4. 结构型式: 钢舱壁 (≥5mm) + 隔热材料 (不燃材料)  
  
Type of construction: Steel bulkhead (≥5mm) + Insulation material (non-combustible material)
5. 隔热材料/ Insulation material:  
  
5.1 平钢板上: ABM-FR60 型船用防潮耐火岩棉板, 名义厚度: 65mm, 名义密度: 120kg/m³, 不燃性符合 IMO 2010 FTP Code Part 1  
  
On the steel plating: ABM-FR60 model marine moistureproof fireproof rockwool plates, nominal thickness: 65mm, nominal density: 120kg/m³, the non-combustibility complies with IMO 2010 FTP Code Part 1
- 5.2 加强筋上: ABM-FR60 型船用防潮耐火岩棉板, 名义厚度: 40mm, 名义密度: 120kg/m³, 不燃性符合 IMO 2010 FTP Code Part 1  
  
On stiffeners: ABM-FR60 model marine moistureproof fireproof rockwool plates, nominal thickness: 40mm, nominal density: 120kg/m³, the non-combustibility complies with IMO 2010 FTP Code Part 1
6. 隔热材料固定方法: 钢质碰钉 (Q235-A, φ3x80mm, φ3x56mm) 和紧固压圈 (Q235-A, φ30x0.1mm), 约 25 套/m², 详见图纸 (图号: TKAB-3B)  
  
Fix method of insulation materials: Steel pins(Q235-A, φ3x80mm, φ3x56mm) and steel spring washers(Q235-A, φ30x0.1mm), approx.25 sets/m², the details pls. see the drawing (drawing no.: TKAB-3B)
7. 向火面/Exposed face: 钢舱壁/Steel bulkhead (隔热材料和加强筋一侧背火/Insulation materials and stiffeners on the unexposed side)
8. 应用型式/Application type: 通用 (“双面应用” 隔热层, 且构芯两侧的隔热层厚度、密度和安装方式相同) /General application ( “double-sided application” of the insulation, the thickness, density and installation manner of the insulation being equal on both sides of the structural core)
9. 耐火等级 (最高) /Fire class(Top ): A-60
10. 试验报告及日期/Test report: FT12104, 2012-05-17
11. 隔声性能/Sound insulation  
  
11.1 计权隔声指数 (Rw) / Weighted sound reduction index(Rw): 50 dB
- 11.2 隔声等级/ Level of Sound Reduction: R45
- 11.3 试验报告编号及日期/ Test report No. & Test report date: NTC(2017)-JZ-CCS-012, 2017-06-22

1. 产品名称/Product name: A-60 级舱壁/A-60 class bulkhead

2. 型号/Model: TKAB-2B

3. 图号/Drawing No.: TKAB-2B(原/Original: ABM-A60-2B01)

4. 结构型式: 钢舱壁 (≥5mm) + 隔热材料 (不燃材料)

Type of construction: Steel bulkhead (≥5mm) + Insulation material (non-combustible material)

5. 隔热材料/ Insulation material:

5.1 平钢板上: ABM-FR60 型船用防潮耐火岩棉板, 名义厚度: 40mm, 名义密度: 120kg/m<sup>3</sup>, 不燃性符合 IMO 2010 FTP Code Part 1

On the steel plating: ABM-FR60 model marine moistureproof fireproof rockwool plates, nominal thickness: 40mm, nominal density: 120kg/m<sup>3</sup>, the non-combustibility complies with IMO 2010 FTP Code Part 1

5.2 加强筋上: ABM-FR60 型船用防潮耐火岩棉板, 名义厚度: 40mm, 名义密度: 120kg/m<sup>3</sup>, 不燃性符合 IMO 2010 FTP Code Part 1

On stiffeners: ABM-FR60 model marine moistureproof fireproof rockwool plates, nominal thickness: 40mm, nominal density: 120kg/m<sup>3</sup>, the non-combustibility complies with IMO 2010 FTP Code Part 1

6. 隔热材料固定方法: 钢质碰钉 (Q235-A, φ3x56mm) 和紧固压圈 (Q235-A, φ30x0.1mm), 约 28 套/m<sup>2</sup>, 详见图纸 (图号: TKAB-2B)

Fix method of insulation materials: Steel pins(Q235-A, φ3x56mm) and steel spring washers(Q235-A, φ30x0.1mm), approx.28 sets/m<sup>2</sup>, the details pls. see the drawing (drawing no.: TKAB-2B)

7. 向火面/Exposed face: 隔热材料和加强筋一侧向火/Insulation materials and stiffeners on the exposed side

8. 应用型式/Application type: 有限应用/Restricted application

9. 耐火等级 (最高) /Fire class(Top ): A-60

10. 试验报告及日期/Test report: FT12086, 2012-04-27

11. 隔声性能/Sound insulation

11.1 计权隔声指数 (Rw) / Weighted sound reduction index(Rw): 48 dB

11.2 隔声等级/ Level of Sound Reduction: R45

11.3 试验报告编号及日期/ Test report No. & Test report date: NTC(2017)-JZ-CCS-011, 2017-06-22

1. 产品名称/Product name: A-60 级甲板/A-60 class deck

2. 型号/Model: TKAB-1D

3. 图号/Drawing No.: TKAB-1D(原/Original: ABM-A60-1D01)

4. 结构型式: 钢甲板 (≥5mm) + 隔热材料 (不燃材料)

Type of construction: Steel deck (≥5mm) + Insulation material (non-combustible material)

5. 隔热材料/ Insulation material:

5.1 平钢板上: ABM-FR60 型船用防潮耐火岩棉板, 名义厚度: 40mm, 名义密度: 120kg/m<sup>3</sup>, 不燃性符合 IMO 2010 FTP Code Part 1

On the steel plating: ABM-FR60 model marine moistureproof fireproof rockwool plates, nominal thickness: 40mm, nominal density: 120kg/m<sup>3</sup>, the non-combustibility complies with IMO 2010 FTP Code Part 1

5.2 加强筋上: ABM-FR60 型船用防潮耐火岩棉板, 名义厚度: 40mm, 名义密度: 120kg/m<sup>3</sup>, 不燃性符合 IMO 2010 FTP Code Part 1

On stiffeners: ABM-FR60 model marine moistureproof fireproof rockwool plates, nominal thickness: 40mm, nominal density: 120kg/m<sup>3</sup>, the non-combustibility complies with IMO 2010 FTP Code Part 1

6. 隔热材料固定方法: 钢质碰钉 (Q235-A, φ3x56mm) 和紧固压圈 (Q235-A, φ30x0.1mm), 约 26 套/m<sup>2</sup>, 详见图纸 (图号: TKAB-1D)

Fix method of insulation materials: Steel pins(Q235-A, φ3x56mm) and steel spring washers(Q235-A, φ30x0.1mm), approx.26 sets/m<sup>2</sup>, the details pls. see the drawing (drawing no.: TKAB-1D)

7. 向火面/Exposed face: 隔热材料和加强筋一侧向火/Insulation materials and stiffeners on the exposed side

8. 耐火等级 (最高) /Fire class(Top ): A-60

9. 试验报告及日期/Test report: FT12085, 2012-04-16

10. 隔声性能/Sound insulation

10.1 计权隔声指数 (Rw) / Weighted sound reduction index(Rw): 48 dB

10.2 隔声等级/ Level of Sound Reduction: R45

10.3 试验报告编号及日期/ Test report No. & Test report date: NTC(2017)-JZ-CCS-010, 2017-06-22

\*\*\*\*\*本证书附页完/End of additional page of this certificate\*\*\*\*\*

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