



Marine & Offshore  
Division

Certificate number: 16718/C0 BV

File number: ACI 1000/351/004

Product code: 5040H

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

www.veristar.com

## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**CSSC CYMP (JiangXi Chao Yang Machinery Plant)**

JiangXi Chao Yang (Jiangxi) - CHINA

*for the type of product*

**B0 CLASS BULKHEADS**

B-0 FIRE RESISTING LINING PANEL : model B25C

### Requirements:

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

SOLAS 74 Convention as amended, Regulations II-2/9, II-2/3.4

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

IMO MSC/Circ.1120

*This certificate is issued to attest that BUREAU VERITAS 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: 14 Jul 2021**

For BUREAU VERITAS,

At BV SHANGHAI, on 14 Jul 2016,

Jennifer Zhang



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. 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 Division 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 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 electronic version is available at: <http://www.veristarnb.com/veristarnb/jsp/viewPublicPdfTypec.jsp?id=60jqimp3d>

BV Mod. Ad.E 530 October 2014

This certificate consists of 3 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

#### **"B-0 FIRE RESISTING LINING PANEL" model B25C**

Composed of mineral wool panels type "KMD-Y-01", thickness 23 mm, density 150 kg/m<sup>3</sup> +/- 10 % (manufactured by New Adiabatic Material Production Factory of Nanjing Kangmeida, China) and 0.6 mm thick steel sheets, glued with PU adhesive type "TH-99", maximum application rate 180-200 g/m<sup>2</sup> (manufactured by Jiu Jiang Specific Adhesive Factory, China).

The non-exposed steel sheet was folded on one end in a 14x5.5 mm hook shape and panels were joined by inserting 14x12x14 mm "II"-type built-in strips into the hook.

The whole bulkhead panel was bound around with an enclosed frame made by steel angle (63x63x6 mm) and fastened by steel angles (63x63x6 mm).

Panel size: 2500 x 600 x 25 mm.

### 2. DOCUMENTS AND DRAWINGS:

As per the Manufacturer's drawings N° 354CYC93-00SY, N°Q/CYC02.432-2001, N°Q/CYC02.432.1-2001, Q/CYC02.430-2001, Q/CYC02.430.1-2001Q/CYC02.470-2001, all dated 15/03/2012.

### 3. TEST REPORTS:

Test report FT12143 dated 12/07/2012 as per IMO FTP Code Annex 1 Part 3 [test standard : IMO Resolution A.754(18)] from FEFTC, China.

### 4. APPLICATION / LIMITATION:

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

4.2 - Fire against the side without built-in strips.

4.3 - The following component(s) shall comply with the requirements of the relevant Bureau Veritas rules and be type approved:  
- the insulation material "**KMD-Y-01**"  
- the adhesive "**TH-99**"

### 5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The **Model B25C** products are to be supplied by **CSSC CYMP (JiangXi Chao Yang Machinery Plant), JiangXi Chao Yang (Jiangxi) - CHINA** 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 - **CSSC CYMP (JiangXi Chao Yang Machinery Plant), JiangXi Chao Yang (Jiangxi) - CHINA** 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 - **CSSC CYMP (JiangXi Chao Yang Machinery Plant), JiangXi Chao Yang (Jiangxi) - CHINA** has declared to Bureau Veritas the following production site(s):

**CSSC CYMP (JiangXi Chao Yang Machinery Plant)  
P.O.Box 733, Pengze County  
JiangXi Chao Yang (Jiangxi)  
CHINA**

### 6. MARKING OF PRODUCT:

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

**7. OTHERS:**

7.1 - It is **CSSC CYMP**'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 the Type Approval Certificate n° 16718/B0 BV issued on 14/06/2011 by the Society.

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