

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Horizontal Class B Division**with type designation(s)  
**WB25A Class B Bulkhead**

Issued to

**CSSC - Jiangxi Chao Yang Machinery Plant**  
**PENGZE, JIANGXI, China**is found to comply with  
**DNV GL offshore standards**  
**DNV GL rules for classification – Ships**  
**DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations****Application :****Approved for use as a fire retarding division of class B-15****This certificate is recognized by Transport Canada****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Hamburg** on **2018-09-25**for **DNV GL**This Certificate is valid until **2023-09-24**.DNV GL local station: **Wuhan CMC**Approval Engineer: **Timo Linn****Jörg Kallies**  
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-017408-4**  
Certificate No: **TAF000011N**

### **Product description**

B-15 class fire retarding bulkhead panel type "WB25A" consisting of 0.6 mm galvanized steel plates bound with adhesive on both sides of an insulation core 23,8 mm rock wool. The steel sheet on exposed side is perforated for sound damping purposes. The panels were joined together by wedges.

Total thickness of the panels is 25 mm.

#### **Insulation**

KMD-Y-01 type rock wool of density 150 kg/m<sup>3</sup> is manufactured Nanjing Kangmei Da New Type Insulation Materials Products Co., Ltd

#### **Adhesive**

TH-99A type high performance low flame spread polyurethane adhesive manufactured by Jiujiang City special Adhesive Co., Ltd.

For further details, see approved drawings listed under Type Approval documentation below.

### **Application/Limitation**

Any surface materials used have to be approved for smoke and toxicity and low flame-spread characteristics (IMO FTP Code Annex 1 Parts 2 and 5) when required according to relevant rules and regulations.

Max. panel size: 600 mm x 2520 mm (W x H)

Each product is to be supplied with its manual for installation and maintenance.

### **Type Approval documentation**

Certification in accordance with Class Programme DNVGL-CP-0338, October 2017.

Test Report No. FT12346, dated 4 January 2013 from Far East Fire Testing Centre (FEFTC), Shanghai, China.

Drawing No. 354CYC101A-00SY (p. 1), Q/CYC02.101A (p. 2), Q/CYC02.141A (p. 4), Q/CYC02.101B (p. 5), Q/CYC02.101B.1 (p. 6) and 354-16 dated 27 September 2012 from the manufacturer.

### **Tests carried out**

Tested according to IMO Res. MSC.307(88) – 2010 FTP Code Annex 1, Part 3

### **Marking of product**

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

### **Transport Canada Approval**

Based on the procedures laid down in the Transport Canada Publication entitled "Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)", DNV GL confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

### **Periodical assessment**

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.