

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Surface Material of Low Flame Spread**with type designation(s)  
**HK-3000 Type Marine Fireproof Sealing Adhesive**

Issued to

**Shanghai Huoke New Material Co., Ltd.**  
**Shanghai, China**

is found to comply with

**DNV GL rules for classification – Ships****DNV GL offshore standards****DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations****Application :****Approved for use as adhesive with low flame spread characteristics.****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 **Høvik** on **2020-02-04**This Certificate is valid until **2025-02-03**.for **DNV GL**DNV GL local station: **Shanghai**Approval Engineer: **Marcin Tobiasz**

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**Mårten Schei-Nilsson**  
**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: **262.1-032021-1**  
Certificate No: **TAF00001CV**

### **Product description**

"HK-3000 Type Marine Fireproof Sealing Adhesive"  
fire sealing adhesive applied on metallic surface.

Maximum thickness: approx. 2 mm

Density: 1.4 g/cm<sup>3</sup>

### **Application/Limitation**

Approved for use as adhesive with low flame spread characteristics.

Colour: grey.

Maximum organic content: 50 %

Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.2.

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

### **Type Approval documentation**

Certification in accordance with Class Programmes DNVGL-CP-0338, September 2018.

Test reports No. FT19246 dated 16 September 2019 from Far East Fire Testing Centre, Shanghai, China.

### **Tests carried out**

Tested according to IMO 2010 FTP Code Part 5.

### **Marking of product**

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

### **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.