



Certificate No:
TAF00001MW

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Non-Combustible Material

with type designation(s)
DH800 Foam Glass

Issued to

JiangSu Dehe Insulation Technology Co.,Ltd
Jiangsu, China

is found to comply with

DNV offshore standards

DNV rules for classification – Ships

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021

Application :

The products may be used as an integrated part of approved fire resisting divisions only when tested as such.

This certificate is recognized by Transport Canada.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2021-11-16**

This Certificate is valid until **2026-11-07**.

DNV local station: **Nantong**

Approval Engineer: **Timo Linn**

for **DNV**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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Product description

"DH800 type foam glass"

Foam glass produced by Jiangsu Dehe Insulation Technology Co., Ltd. According to the information provided by the client. Consist of a black foam material mainly composed of Al_2O_3 , SiO_2 , CaO , Na_2O and Fe_2O_3 similar to normal soda-lime-silica glass.

Nominal thickness: 50mm

Organic content: 0.0

Test item	Unit	Technical Requirement				
			DH800	DH1000	DH1400	DH1600
Nominal Density	Kg/m ³		120	130	140	160
Thermal Conductivity	W/mK	AVG≤	0.048	0.050	0.051	0.052
		USL≤	0.050	0.052	0.054	0.055
Compressive strength	MPa	AVG≥	0.689	0.827	0.965	1.103
		LSL≥	0.5	0.6	0.7	0.8

Application/Limitation

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

Type Approval documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021

Test Report No. FT16310 dated 18th of July 2016 from Far East Fire Testing Centre (FEFTC).

Tests carried out

Tested according to IMO Res. MSC.307(88) – 2010 FTP Code code Annex1, Part 1.

Marking of product

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

Transport Canada Approval

Transport Canada: "Based on the procedures laid down in the Transport Canada Publication entitled "Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP14612)", DNV confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements. "

Periodical assessment

DNV 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 DNV-CP-0338, Section 4.