

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the C class Divisions

with type designation(s)

AHP-D6-50 Type Aluminium Honeycomb Compound Plate

Issued to

**Huanan Building Materials (Shenzhen) Co., Ltd.
Shenzhen, Guangdong, China**

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2019/1397**,

item No. MED/3.64. SOLAS 74 as amended, Regulation II-2/3.10,3.33 & 2/9 and IMO 2010 FTP Code and IMO Res. MSC/Circ.1120

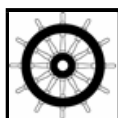
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-01-08**.

Issued at **Høvik** on **2020-01-09**

DNV GL local station:
China South NB

Approval Engineer:
Tessa Biever



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Product description

'AHP-D6-50 Type Aluminium Honeycomb Compound Plate'

Composed of a insulation core of regular-hexagon honeycomb material type '0.06/6-50' (thickness of aluminium foil layer is 0.06 mm, side length is 6 mm - manufactured by Foshan Nanhai Hongzan Honeycomb Product Co. Ltd.) with a 0.7 mm thick aluminium plate on both sides. The aluminium plates are glued to the honeycomb insulation core with adhesive of type YB2003/YB8001 (manufactured by Shanghai Ningrui Adhesives Science & Technology Development Co. Ltd. with single layer coating weight of 250 g/m²).

Thickness of the total product : min. 6 mm – max. 50 mm
Nominal density honeycomb insulation core: 43.3 kg/m³

For details of construction, please see drawings mentioned under Type Examination documentation.

Application/Limitation

Approved as C class division.

Approved colour : Silver
Max. organic content: 0.4 %

Any adhesive used other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5.

Any surface materials used have to be approved for smoke and toxicity and low flame characteristic (IMO 2010 FTP Code parts 2 and 5) when required according to relevant rules.

The product satisfies the requirement for maximum calorific value (ref. Solas Chapter II-2, Reg 5.3.2.2) without further testing.

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

Type Examination documentation

Test report No. FT19080 dated 25 April 2019 from Far East Fire Testing Centre (FEFTC), Shanghai, China.
Test report No. FT19036 dated 12 March 2019 from Far East Fire Testing Centre (FEFTC), Shanghai, China.

Drawing Q354HN146-00SY (9 sheets) dated 2019-02-28 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code Part 1 and 5 and Annex 2, item 2.2 and 2.3.

Marking of product

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