

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

**This is to certify:****That the C class Divisions**

with type designation(s)  
**HONYLITE Aluminum Honeycomb Panel**

Issued to  
**UNIVERSAL METALTEK**  
**Greater Noida Uttar Pradesh, India**

is found to comply with the requirements in the following Regulations/Standards:  
Regulation **(EU) 2017/306**,  
**item No. MED/3.64. SOLAS 74 as amended, Regulation II-2/3.10 & 2/9 and IMO 2010 FTP Code**

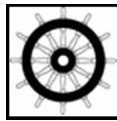
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-11-26**.

Issued at **Hamburg** on **2017-11-27**

DNV GL local station:  
**Mumbai CMC**

Approval Engineer:  
**Timo Linn**



Notified Body  
No.: **0098**

for **DNV GL SE**

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**Sven Dudszus**  
**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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-006930-3**  
Certificate No: **MEDB00002R1**

## **Product description**

"HONYLITE Aluminum Honeycomb Panel"

Consisting of 18 mm aluminum honeycomb core sandwich between thin layer of two component adhesive and 1 mm aluminum sheets on both sides. The product has a nominal area weight of 6.5 kg/m<sup>2</sup> and a nominal thickness of 20 mm. The product has a "metal" colour.

For details of construction see drawing mentioned under Type Examination documentation.

Adhesive :

2C PUR adhesive 541.8/541.5 from Kleiberit GmbH & Co. KG, Germany

## **Application/Limitation**

Approved as C class division.

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.

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.

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

## **Type Examination documentation**

Test report No. 6P09774 rev.2, dated 20<sup>th</sup> of November 2017 from SP Technical Research Institute of Sweden.

## **Tests carried out**

IMO 2010 FTP Code (IMO Resolution MSC.307(88)) Annex 1, Part 5 and Annex 2, item 2.2.

## **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 and USCG approval number if applicable (see first page).