

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 Primary deck coverings

with type designation(s)
Swedac Deck Covering System U-1

Issued to

Swedac, Swedish Acoustic Products Innovation AB
ANGERED, Sweden

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/3.1. SOLAS 74 as amended, Regulation II-2/4, II-2/6 & X/3, 2000 HSC Code 7
and IMO 2010 FTP Code

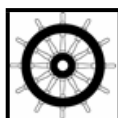
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-10-28**.

Issued at **Høvik** on **2019-10-29**

DNV GL local station:
Sweden CMC

Approval Engineer:
Nanna Martine Jacobsen



Notified Body
No.: **0575**

for **DNV GL AS**

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Roald Vårheim
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Swedac Deck Covering System U-1"

Is a two layered system composed of the following layers from top to steel deck:

- Top steel plate, minimum 1.5 mm thick.
- Visco elastic layer of type "DG-U1", maximum 4 mm thick.

Alternatively, the system may be composed of following layers from top to steel deck:

- Top steel plate, minimum 1.5 mm thick.
- Visco elastic layer of type "DG-U1", maximum 2 mm thick.
- Middle steel plate, minimum 1.5 mm thick.
- Visco elastic layer of type "DG-U1", maximum 2 mm thick.

The visco elastic layer of type "DG-U1" is a two components polyurethane compound (Mixing ratio 7:1) with density 1350 kg/m³ produced by Swdac AB.

Application/Limitation

Primary deck covering, not generating excessive quantities of smoke nor toxic products in fire.

The product may be applied over any steel or non-combustible material.

Swedac DG-U1:

Approved colour (tested colour): Beige and brighter colours

Maximum organic content: 46%

Not to be used as an integrated part of horizontal class A division unless tested as such.

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

Type Examination documentation

Test Report No. F803043 dated 25 March 2008 from SP Technical Research Institute of Sweden, Borås, Sweden.

Assessment Report No. F803043A dated 29 April 2008 from SP Technical Research Institute of Sweden, Borås, Sweden.

Tests carried out

Tested according to IMO FTPC Part 6 and Annex 2 item 2.2, and in compliance with IMO 2010 FTP Code Ch. 8.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).