

# 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 Surface materials and floor coverings with low flame-spread characteristics: floor coverings**

with type designation(s)

**Plywood impregnated with Nordic Preventor Antiflame**

Issued to

**Ingarp Träskydd AB**  
**Eksjö, Jönköpings Län, Sweden**

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

Regulation **(EU) 2018/773,**

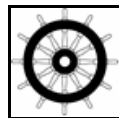
**item No. MED/3.18c. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code**

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

This Certificate is valid until **2023-10-19.**

Issued at **Høvik** on **2019-09-27**

DNV GL local station:  
**Sweden CMC**



for **DNV GL AS**

Approval Engineer:  
**Helge Bjørnarå**

Notified Body  
No.: **0575**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Plywood impregnated with "Nordic Preventor Antiflame",  
Pine, spruce and birch plywood impregnated with "Nordic Preventor Antiflame" as described below:

"Ingarps pine-plywood",

Compregnated surface material composed of pine plywood of thickness 12-24 mm, impregnated with at least 450 kg/m<sup>3</sup> "Nordic Preventor Antiflame". Total density 650 – 880 kg/m<sup>3</sup>.

"Ingarps pine-plywood",

Compregnated surface material composed of pine plywood of thickness 22 mm, impregnated with at least 302 kg/m<sup>3</sup> "Nordic Preventor Antiflame". Total density approx. 795 kg/m<sup>3</sup>.

"Ingarps spruce-plywood",

Compregnated surface material composed of spruce plywood of thickness 9-24 mm, impregnated with at least 135 kg/m<sup>3</sup> "Nordic Preventor Antiflame". Total density 640 – 810 kg/m<sup>3</sup>.

"Ingarps birch-plywood",

Compregnated surface material composed of birch plywood of thickness 10-45 mm, impregnated with at least 180 kg/m<sup>3</sup> "Nordic Preventor Antiflame". Total density 780 – 830 kg/m<sup>3</sup>.

## Application/Limitation

Approved for use as low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

Approved for use as a floor covering on any metallic and/or non-combustible substrate.

Any adhesive used has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5 and to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

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

## Type Examination documentation

Test report No. F401755A dated 18 May 2004 from SP, Borås, Sweden.

Test report No. F401755D dated 8 July 2004 from SP, Borås, Sweden.

Test report No. F314930 dated 20 October 2003 (revised 8 September 2004) from SP, Borås, Sweden.

Test report No. F314930C dated 7 July 2004 from SP, Borås, Sweden.

## Tests carried out

Tested according to IMO FTPC Part 5 and Annex 2 item 2.2 and in compliance with IMO 2010 FTP Code Ch. 8.

## Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, Mark of Conformity and USCG approval number if applicable (see page 1).