

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Surface materials and floor coverings with low flame-spread characteristics: floor coverings

with type designation(s)
VoyBON, VoySTARZ

Issued to

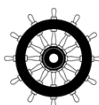
Armstrong Advanced Flooring (China) Co., Ltd.
Wujiang, China

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

Annex A.1, item No. A.1/3.18c and Annex B, Module B in the Directive. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6, II-2/9 & 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.

Høvik, 2015-12-04
for **DNV GL AS**



This Certificate is valid until
2020-12-03

Notified Body No.: **0575**

Vidar Dolonen
Head of Department

DNV GL local office:
Shanghai CMC

Martin Gjelstad
Surveyor

Job Id: **344.1-004861-1**
Certificate No: **MEDB00000BV**

Product description

"VoyBON, VoySTARZ"

Is a PVC homogeneous plastic sheet flooring mainly composed of PVC resin, plasticizer and limestone. The flooring is covered with a PUR coating on the surface.

Product thickness is 2 mm (-10% / +13%).

Density is about 1.65 g/cm³.

Organic content: See Wujiang Marine Product SKU list (Doc.No: WJ-MR001).

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 floor covering on non-combustible substrate.

Approved colour: bright blue or brighter.

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 and to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

Several layers of floor coverings are acceptable provided that each layer is approved according to the Marine Equipment Directive and bear the mark of Conformity.

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

Type Examination documentation

Test report No. FT14344 dated 2015-01-12 and No. FT15006 dated 2015-01-05 both from Far East Fire Testing Centre (FEFTC), Shanghai, China.

Tests carried out

Tested according to IMO 2010 FTP Code Part 2 and Part 5.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation, fire technical rating, Mark of Conformity and USCG approval if applicable (see below).

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.



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USCG Approval

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.