DNV·GL

Certificate No:
MEDB0000186

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, 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)
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.

This Certificate is valid until **2021-06-21**.

Issued at **Høvik** on **2016-06-22**

for **DNV GL AS**

DNV GL local station:
Shanghai CMC

Approval Engineer:
Tomasz Werchowicz

Notified Body
No.: **0575**

Vidar Dolonen
Head of Notified Body

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Job Id: **344.1-004861-6**
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Product description

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

Product thickness: 2 mm (-10% / +13%).
Approximate density: 1.65 g/cm^3
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 colors: dark 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 reports:

- No. FT14344, dated 12-January-2015
- No. FT15006, dated 05-January-2015
- No. FT16148, dated 04-May-2016
- No. FT16149, dated 26-April-2016

all issued by 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 page 1).