

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)
Tufted carpets H1150-H5400

Issued to
Best Wool Carpets B.V.
Best, Netherlands

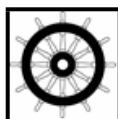
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/3.18c. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

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

This Certificate is valid until **2024-12-15**.

Issued at **Høvik** on **2019-12-16**

DNV GL local station:
**Rotterdam, Product Certification
/Verification**



for **DNV GL AS**

Approval Engineer:
Marcin Tobiasz

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, and amended by Decision No 1/2019 dated February 22nd, 2019.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Tufted carpets H1150-H5400"

Carpet with pile consisting of 100% wool, primary backing in 85 % polypropylene with 15 % coatable polyamid, precoat of latex with filler, adhesive of latex with filler and secondary backing of 100 % polypropylene.

For products cover by this certificate please see appendix on page 3.

Application/Limitation

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

Max organic content:

Pile: 99.9%

Primary backing: 96.2%-96.8%

Precoat: 0 %

EVA adhesive: 0%

Secondary backing: 96.5%

Approved for use as floor covering on any low flame-spread floor covering, steel or non-combustible material.

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. 15117A dated 30 November 2011 from Warringtonfiregent "WFRGENT", Gent, Belgium.

Test Reports No. 15117D dated 30 November 2011 from Warringtonfiregent "WFRGENT", Gent, Belgium.

Test Reports No. 20634486a dated 15.01.2013 from DMT GmbH & Co KG, Dortmund, Germany.

Test Reports No. 20634486b dated 15.01.2013 from DMT GmbH & Co KG, Dortmund, Germany.

Tests carried out

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

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire technical rating, MED Mark of Conformity and USCG Approval number if applicable (see first page).

APPENDIX, REV. NO. 0

Product name	General thickness [mm]	General weight [g/m ²]	Pile thickness [mm]	Pile weight [g/m ²]
H1150	7.9	2601	3.6	1150
H1300	8	2560	4	1300
H1450	8.1	2900	5	1450
H2050	9.1	2310	7.1	1250
H2100	8.1	2310	6.1	1250
H2150	7.9	2100	5.9	1200
H2200	7.1	2415	5.1	1300

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H2250	7.1	2415	5.1	1300
H2300	8.1	2100	6.1	1150
H2350	7.9	2578	5.9	1400
H2400	7.9	2200	5.9	1400
H2450	9.1	2686	6.1	1300
H2500	8.9	2467	6.9	1300
H2550	6.9	2100	4.9	1150
H2600	8.1	2200	6.1	1200
H3050	6.9	2200	4.9	1300
H3100	8.9	2300	6.9	1250
H3150	10.1	2300	8.1	1250
H3200	7.1	2440	5.1	1350
H3250	7.1	2200	5.1	1300
H3300	6.9	2200	4.9	1300
H3350	8.1	2100	6.1	1200
H3400	7.1	2200	5.1	1300
H3450	10.1	2520	8.1	1300
H3500	7.9	2100	5.9	1200
H3550	10.1	2300	8.1	1250
H3600	9.1	2310	7.1	1250
H3650	8.9	2686	6.9	1400
H3700	8.1	2686	6.1	1300
H3750	8.1	2200	6.1	1200
H4050	9.1	2520	7.1	1350
H4100	9.9	2868	7.9	1450
H4150	8.9	2100	6.9	1350
H4200	8.1	2240	6.1	1200
H4250	9.1	2520	7.1	1350
H4300	7.1	2240	5.1	1200
H4350	6.9	2440	4.9	1350
H4400	8.1	2240	6.1	1200
H4450	9.1	2600	7.1	1400
H5200	8.1	2240	6.1	1200
H5400	8.1	2240	6.1	1200