DNV·GL

Certificate No:
TAF00000BZ

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Surface Material of Low Flame Spread

with type designation(s)
Highline 80/20 1100 AB, Highline 80/20 1400 AB and Highline 80/20 1600 AB

Issued to
Egetæpper A/S
HERNING, Denmark

is found to comply with
DNV GL offshore standards
DNV GL rules for classification – Ships
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations

Application :

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

This certificate is recognized by Transport Canada.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2021-04-26**.
Issued at **Høvik** on **2016-11-24**

DNV GL local station: **Aalborg**

Approval Engineer: **Piotr Orzechowski**

for **DNV GL**

Digitally Signed By: Langnes, Petter
Location: DNV GL Høvik, Norway
Signing Date: 2016-11-28

Petter Langnes
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Job Id: **262.1-005286-3**
Certificate No: **TAF00000BZ**

Product description

"Highline 80/20 1100 AB", "Highline 80/20 1400 AB" and "Highline 80/20 1600 AB"
carpet composed of 80% wool and 20% polyamide on an Acoustic backing composed of 65% polyester and 35% polyamide.

	Total carpet weight	Total thickness	Surface pile thickness
"Highline 80/20 1100 AB"	3250 g/m^2	10,6 mm	4,9 mm
"Highline 80/20 1400 AB"	3255 g/m^2	12,1 mm	6,3 mm
"Highline 80/20 1600 AB"	3300 g/m^2	11,9 mm	7,0 mm

Application/Limitation

Low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

Approved for use on non-combustible substrate with thickness and density of at least 6.75 mm and 642 kg/m^3 respectively.

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.

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

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2015.

Test reports Nos:

- 102010.60/01.141 A and 102010.60/01.141 B both dated 11 May 2001,
- 102010.70/01.115 A and 102010.70/01.115 B both dated 26 April 2001,
- 102010.70/01.311 dated 01 November 2001 and
- 102010.60/01.328 dated 22 November 2001

all from Sintef (Norwegian Fire Research Laboratory), Trondheim, Norway.

Tests carried out

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

Marking of product

The product or packing is to be marked with name of manufacturer and type designation.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "*Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)",* DNV GL confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Certificate Retention Survey

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in DNVGL-CP-0338 Section 4.