

# TYPE APPROVAL CERTIFICATE

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**This is to certify:**

**That the Surface Material of Low Flame Spread**

with type designation(s)  
**HIGHLINE**

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 :**

**Low flame spread surface materials, 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 **2021-06-30**.

Issued at **Høvik** on **2017-01-26**

DNV GL local station: **Aalborg**

Approval Engineer: **Piotr Orzechowski**

for **DNV GL**

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**Petter Langnes**  
**Head of Section**

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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: **TAF00000C1**

## Product description

"HIGHLINE"

Carpet consisting of 80 % wool and 20 % polyamide on a textile polypropylene backing material.

Product name	Pile yarn weight	Total carpet weight	Pile thickness	Total thickness
Highline 80/20 - 1100 WT	1100 g/m <sup>2</sup>	2800 g/m <sup>2</sup>	5.0 mm	8.0 mm
Highline 80/20 - 1400 WT	1400 g/m <sup>2</sup>	2700 g/m <sup>2</sup>	6.2 mm	8.7 mm
Highline 80/20 - 1600 WT	1600 g/m <sup>2</sup>	3100 g/m <sup>2</sup>	6.8 mm	9.8 mm

## Application/Limitation

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

Approved colour: blue

Approved for use on non-combustible substrate with a greater thickness than 9.5 mm.

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 installation/application and maintenance.

## Type Approval documentation

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

Test report Nos.:

- 1659.4IMO100/14 and 1659.4IMO080/14 both dated 20 October 2014 from "LAPI" laboratorio Prevenzione Incendi S.p.A, Italy. (Highline 80/20 1100 wt)
- 527.4IMO100/09 and 527.4IMO080/09 both dated 10 April 2009 from "LAPI" laboratorio Prevenzione Incendi S.p.A, Italy. (Highline 80/20 1600 wt)

## Tests carried out

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

## 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.

## Periodical assessment

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.