

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Floor Covering**

with type designation(s)
Norament® 920

Issued to

Nora Systems GmbH
WEINHEIM, Germany

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 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.

Issued at **Hamburg** on **2017-02-27**

This Certificate is valid until **2022-02-26**.

DNV GL local station: **Augsburg**

for **DNV GL**

Approval Engineer: **Timo Linn**

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Antje Fleischhauer
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: **262.1-012807-3**
Certificate No: **TAF00000M2**

Product description

"norament® 920"

composed of mineral filled NBR based rubber floorcovering fitted to non-combustible substrate utilising "nora® 310PU" adhesive".

Thickness 4 mm.
Weight 6.311kg/m2.

Applications/Limitations

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 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 Standard for Certification No. 1.2, Type Approval, April 2009.

Test reports No. 309418 and 309421 dated 27 July 2011 from Exova Warringtonfire, Warrington, UK.
Certificate Initial survey report dated 9 March 2012 from DNV Essen

Tests carried out

Tested according to IMO FTPC Part 5 and Part 2, 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, type designation and fire technical rating.

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 listed in this certificate is 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 Class Programme DNVGL-CP-0338, Section 4.