DNV·GL

Certificate No:
MEDB00001TR

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Surface materials and floor coverings with low flame-spread characteristics: paint systems

with type designation(s)
DD-Grundierung TL3304,

Issued to
Sherwin-Williams Deutschland GmbH
Wuppertal, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/3.18b 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 **2021-11-27**.

Issued at **Hamburg** on **2016-11-28**

DNV GL local station:
Essen

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
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 European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Product description
"DD-Grundierung TL3304"
Consists of a 2-K PUR (organic laquer coating), MV 1:2 with DD-hardener TV3005

Max. thickness: 50 µm (dry film thickness)
Density: 0.985 g/cm³
Approved colour: transparent

Application/Limitation
Approved for use as low flame spread material, not generating excessive quantities of smoke nor toxic products in fire. Approved for use throughout the accommodation.

Approved for use as decorative paint systems on non-combustible substrate with a greater thickness than 25mm

Approved colour: transparent
Max. organic content: 50.63% per dry film thickness.

The product satisfies the requirement for maximum calorific value (ref. Solas Chapter II-2, Reg 5.3.2.2) without further testing.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation
Test report No. 20658395-20, APS4-Hau/Lov dated 2016-03-01 from DMT GmbH Co. KG, Germany.

Tests carried out
Tested according to IMO 2010 FTP Code Part 5

Marking of product
The product is to be marked with name and address of the manufacturer, type designation, fire technical rating and MED Mark of Conformity (see first page).