

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Surface Material of Low Flame Spread**

with type designation(s)

Mascoat Marine-DTM and Mascoat Sound Control-DB

Issued to

Mascoat**Houston TX, United States**

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.**This Certificate is valid until **2021-12-31**.Issued at **Høvik** on **2017-03-07**DNV GL local station: **Houston Containers**for **DNV GL**Approval Engineer: **Tessa Biever**

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:
Certificate No: **TAF00000JY**

Product description

"Mascoat Marine-DTM":

Acrylic water-based coating with maximum dry film thickness approximately 3.0 mm laid on metallic surfaces. Density of the film is 0.94 kg/m².

"Mascoat Sound Control-DB":

Acrylic water-based coating with maximum dry film thickness approximately 4.0 mm laid on metallic surfaces. Density of the film is 9.2 kg/m².

Application/Limitation

Approved for use as low flame spread material, not generating excessive quantities of neither smoke nor toxic products in fire. Approved for use throughout the accommodation.

Mascoat Marine-DTM and Mascoat Sound Control-DB are approved for use on a metallic substrate with thickness of at least 2.25 mm.

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 application and maintenance.

Type Approval documentation

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

Test report No. 01.16920.02.047a dated 22 June 2012 from SwRI, Texas, USA.

Test report No. 01.16920.02.047b dated 24 July 2012 from SwRI, Texas, USA.

Test carried out

Tested according to IMO FTP Code Part 5 and Annex 2 item 2.2 and in compliance with IMO 2010 FTP Code Ch. 8 and Annex 2, item 2.3.

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 Class Programme DNVGL-CP-0338, Section 4.