

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

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

with type designation(s)

SigmaCover 380 @ 75 micron + Sigmarine 48 @ 35 micron

Issued to

PPG Coatings Europe B.V.
Amsterdam, Netherlands

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2019/1397**,

item No. MED/3.18b. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

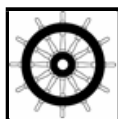
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-04-21**.

Issued at **Høvik** on **2020-04-22**

DNV GL local station:
Netherlands CMC

Approval Engineer:
Tessa Biever



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
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 United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Job Id: **344.1-002398-8**
Certificate No: **MEDB00006K1**

Product description

"SigmaCover 380 @ 75 micron + Sigmarine 48 @ 35 micron"

is a two coat coating system consisting of a first layer with epoxy-based coat and a second layer alkyd-based coat as follows:

1. First layer: 75 µm, SigmaCover 380
2. Second layer: 35 µm, Sigmarine 48

Overall coating system thickness: 110 µm (dry film thickness)

Specific gravity: 1.4 (SigmaCover 380) and 1.2 (Sigmarine 48)

Application/Limitation

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

Approved for use as paint system on a metallic substrate with thickness of at least 2.25 mm.

SigmaCover 380

Approved colour: green and lighter colours

Max. organic content: 42%

Sigmarine 48

Approved colour: grey and lighter colours

Max. organic content: 77%

Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.2.

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

Type Examination documentation

Test report No. 188872 dated 15 December 2009 from Exova Warringtonfire, United Kingdom.

Tests carried out

Tested according to IMO FTPC Part 5 and Annex 2 Item 2.2 and in compliance with IMO 2010 FTP code Ch.8.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, the Mark of Conformity and USCG approval if applicable (see first page).