EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00008HT

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 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)
SIGMAPRIME 700 @ 150 micron + SIGMADUR 520 @ 50 micron

Issued to
PPG Coatings Europe B.V.
Amsterdam, **Netherlands**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2023/1667,**
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 **2028-10-22**.

Issued at **Høvik** on **2023-10-23**

DNV local unit:
Netherlands CMC

Approval Engineer:
Helge Bjørnarå

Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
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 1/2023 dated August 21st, 2023.

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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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.

Product description

"SIGMAPRIME 700 @ 150 micron + SIGMADUR 520 @ 50 micron",
system composed of one coat of two-component, epoxy anticorrosive primer SIGMAPRIME 700 (dry film thickness 150 µm) and one coat of two-component high-build semi-gloss aliphatic polyurethane finish SIGMADUR 520 (dry film thickness 50 µm).

Maximum thickness: 200 µm (dry film thickness)

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 as paint systems on a metallic substrate with thickness of at least 3.75 mm.

SIGMAPRIME 700:
Approved paint colour: grey, redbrown, yellow/green, green, and eggshell
Maximum organic content (dry film): 45 wt%

SIGMADUR 520:
Approved for all colour variations.
Maximum organic content (dry film): 56 wt%

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. 530878, Issue 1, dated 12 May 2023 from Warringtonfire, Warrington, UK.
Test report No. 530874, Issue 1, dated 12 May 2023 from Warringtonfire, Warrington, UK.

Product data sheet for SIGMAPRIME 700 dated 25 February 2022 from manufacturer.
Product data sheet for SIGMADUR 520 dated 6 July 2022 from manufacturer.

Safety data sheet for SIGMAPRIME 700 BASE REDBROWN, version 1.01, dated 18 August 2022 from manufacturer.
Safety data sheet for SIGMAPRIME 700 HARDENER, version 1.02, dated 1 November 2022 from manufacturer.
Safety data sheet for SIGMADUR 520 BASE BLACK, version 1.01, dated 29 October 2022 from manufacturer.
Safety data sheet for SIGMADUR 520/550 HARDENER, version 3, dated 3 March 2023 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code Part 5 and 2.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, MED Mark of Conformity and USCG approval if applicable (see page 1).