

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000003B

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, 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 the Kingdom of Norway.

This is to certify:

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

with type designation(s)

Sigmarine 28 + Sigmarine 48

Issued to

**PPG Coatings Europe B.V. Protective & Marine Coatings
AMSTERDAM, Netherlands**

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

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 **2021-09-01**.

Issued at **Høvik** on **2016-09-02**

DNV GL local station:

**Rotterdam, Product Certification
/Verification**

Approval Engineer:

Helge Bjørnara

Notified Body

No.: **0575**

for **DNV GL AS**

Vidar Dolonen

Head of Notified Body

Product description

"Sigmarine 28 + Sigmarine 48"

System composed of two coats of one-component, quick-drying, high-build multipurpose zinc phosphate primer, Sigmarine 28 (dry film thickness 2 x 50 µm) and one coat of general purpose gloss paint based on an alkyd-modified resin, Sigmarine 48 (dry film thickness 40 µm).

Max. thickness: 140 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 throughout the accommodation.

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

Sigmarine 28:

Approved paint colour: off-white

Maximum organic content: 30 wt%

Sigmarine 48:

Approved paint colour: off-white

Maximum organic content: 64 wt%

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 Examination documentation

Test report No. 351422 dated 14 May 2015 from Exova Warringtonfire, Warrington, UK.

Product data sheets for Sigmarine 28 and Sigmarine 48 from manufacturer.

Material safety data sheet for Sigmarine 28 and Sigmarine 48 from Manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 5 and Annex 2, item 2.2 and 2.3.

Marking of product

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