DNV·GL

Certificate No:
MEDB00004KV

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 Primary deck coverings

with type designation(s)
Herculan Marine Navy Deck

Issued to
Herculan B.V.
Meerkerk, Netherlands

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
item No. MED/3.1. SOLAS 74 as amended, Regulation II-2/4, II-2/6 & X/3, 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 **2023-11-21**.

Issued at **Høvik** on **2018-11-22**

DNV GL local station:
Rotterdam, Product Certification /Verification

Approval Engineer:
Synnøve Bolstad Eri

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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

NORWEGIAN ACCREDITATION PROD 019

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Job Id: **344.1-003957-11**
Certificate No: **MEDB00004KV**

Product description

"Herculan Marine Navy Deck"
Three coat primary deck covering system with the following characteristics:
1st layer: Sigmaprime 200 (manufactured by Sigma Coatings), weight 75 g/m^2, layer thickness 0.04 mm.
2nd layer: Herculan PSL IMO F, weight 1500 g/m^2, layer thickness 1.00 mm.
3rd layer: Herculan PU 400 Safe IMO F, weight 400 g/m^2, layer thickness 0.25 mm.

Total coating thickness 1.29 mm, weight 1975 g/m^2.

Application/Limitation

Primary deck covering, not generating excessive quantities of smoke nor toxic products in a fire.

Approved colour:	grey and brighter colours
Maximum organic content (Sigmaprime 200):	26 %
Maximum organic content (PSL IMO F):	62.1 %
Maximum organic content (PU 400 Safe IMO F):	21.4 %

Not to be used as an integrated part of horizontal class A division, unless tested as such.

The product may also be used as floor covering in accordance with IMO 2010 FTP code part 5 appendix 4 paragraph 4.9.2.

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

Type Examination documentation

Test Report No. 15806A dated 06 March 2013 from Warringtonfiregent, Gent, Belgium (product named Herculan Marine Navy Safe (grey)).

Test Report No. 325511 dated 18 April 2013 from Exova Warringtonfire, Warrington, United Kingdom (product named Herculan Marine Navy Safe (grey)).

Tests carried out

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

Marking of product

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