



DET NORSKE VERITAS

# EC TYPE-EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2002/75/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

**CERTIFICATE NO. MED-B-4505**

This Certificate consists of 3 pages

*This is to certify that the*  
**Surface materials and floor coverings with low flame-spread characteristics: paint systems**

*with type designation(s)*  
**COLORMED Type 1/2/3**

*Manufacturer*

**VENETA NASTRI S.P.A. SOCIETÀ  
UNIPERSONALE  
SAN FIOR TV, Italy**

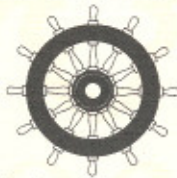
*is found to comply with the requirements in the following Regulations/Standards:*  
Annex A.1, item No. A.1/3.18b and Annex B, Module B in the Directive. SOLAS 74 as amended, Reg. II-2/3.29, II-2/3.40.5, II-2/5.3.2.4, II-2/6.2, & X/3, 2000 HSC Code 7.4.3.4, 7.4.3.6 and IMO FTP Code

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

*Place and date*

Høvik, 2007-12-28

for DET NORSKE VERITAS AS



*This Certificate is valid until*

2012-12-28

Notified Body No. 0575

Kristen Ulveseter

Manager, MTPNO370

Department Systems & Components

Håkon Laskemoen

Surveyor

*DNV local office:*

DNV Venice

*Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended.*

*The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.*



If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: MED-B-4505  
Job Id.: 344.1-000850  
Item No.: A1/3.18B

## Product description

“Colormed Type 1/2/3”

Zink coated steel plate minimum 0.375 mm painted with the following paint system:

Primer (3 alternatives):

1. polyester primer (8-12 $\mu$ m), code Voest Alpine BKZ 950 106, BASF CH26-0370
2. polyester primer (8-12 $\mu$ m), code Voest Alpine BKZ 050 032, BASF CP22-0444
3. polyester primer (8-12 $\mu$ m), code Voest Alpine BKZ 020 024, Akzo Nobel CP009-0049

Top coat: polyester paint (18-22 $\mu$ m), code BASF CD91-XXXXX.

Total thickness: 35 $\mu$ m.

## Applications/Limitations

Low flame-spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

The XXXXX in BASF CD91 is indicating the specific color/shining.

Colormed Type 2 has a maximum calorific value (ref. Solas Chapter II-2, Reg 5.3.2.2) of 24.2 MJ/kg.

Colormed Type 3 has a maximum calorific value (ref. Solas Chapter II-2, Reg 5.3.2.2) of 23.9 MJ/kg.

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

## Type Approval documentation

Test report: No.173.4IMO100/02, dated 5 June 2002 and No. 058.P/04 dated 11 May 2004 and No. 1081.4IMO0090/07, No. 1081.4IMO100/07, No. 1080.4IMO0090/07 and No. 1080.4IMO100/07 dated 16 October 2007.

All test reports from LAPI, Laboratorio Prevenzione Incendi s.r.l., Italy.

Survey Report No. GEN 06-1352-1 dated 31 July 2007 from DNV Venice.

Tested according to IMO FTPC Parts 5, and Annex 2, Item 2.2 and ISO 1716:1973


## Marking of product

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



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### Mark of conformity

The manufacturer is allowed to affix the Mark of Conformity  according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

- Module D: The quality system for production and testing shall be approved by the Notified Body.
- Module E: The quality system for inspection and testing shall be approved by the Notified Body.
- Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who shall issue a Certificate of Conformity.

### USCG Approval

An 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.

END OF CERTIFICATE

