

# EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. 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)  
**2x HEMPADUR 15570**

Issued to

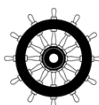
**Hempel A/S**  
**Kgs. Lyngby, Denmark**

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.

**Høvik, 2015-08-19**  
for **DNV GL AS**



This Certificate is valid until  
**2020-08-18**

Notified Body No.: **0575**

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**Petter Langnes**  
**Head of Department**

DNV GL local office:  
**Copenhagen**

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**Ragnar Tonjer**  
**Surveyor**

Job Id: **344.1-000126-9**  
Certificate No: **MEDB000006G**

### **Product description**

"2x HEMPADUR 15570"

Paint system consisting of 2 x 100 µm (dft) HEMPADUR 15570.

Maximum organic content: 49.3%.

### **Application/Limitation**

Approved for use as low flame spread surface 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.

The product satisfies the requirement for maximum calorific value (ref. Solas Chapter II-2, Reg 5.3.2.2) without further testing.

Approved colour: brown red or brighter.

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

### **Type Examination documentation**

Test report no. PFB10137ij, dated 29 January 2015 from the Danish Institute of Fire and Security Technology (DBI), Denmark.

### **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, the Mark of Conformity and USCG approval if applicable (see below).

### **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 also shall issue a Certificate of Conformity.

### **USCG Approval**

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.