



# 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 2009/26/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-7150**

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

with type designation(s)  
**KIVA Furniture Lacquer**

Manufacturer  
**TIKKURILA OYJ**  
**Vantaa, Finland**

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 FTP Code

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

Høvik, 2011-09-22  
for Det Norske Veritas AS

Eivind Mykland  
Head of Department



Notified Body No.: **0575**

DNV local office:  
**Helsinki**

This Certificate is valid until  
**2016-09-22**

Øyvind Hoff  
Surveyor



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.



Certificate No.: MED-B-7150  
Item No.: A1/3.18b  
Job Id.: 344.1-003244-1

### Product description

"KIVA Furniture Lacquer"

A water based acrylate lacquer.

Nominal coating thickness is 40 µm (0.040 mm) corresponding to 129 g/m<sup>2</sup> application quantity.

### Application/Limitation

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

Approved for use on non-combustible substrate with at least 12.5 mm thickness and 480 kg/m<sup>3</sup> density (ref. IMO MSC/Circ. 1004).

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 installation/application and maintenance.

### Type Examination documentation

Test report no. VTT-S-7727-06 dated 31 August 2006 from VTT Technical Research Centre of Finland, Espoo, Finland.

Tested according to IMO FTPC Part 5 and Annex 2 item 2.2.

### Marking of product

The product or packing is to be marked with name of manufacturer, type designation, Mark of Conformity and USCG approval number 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

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.

