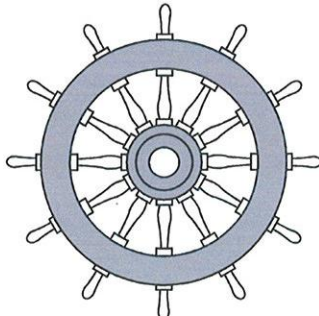


# EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that the examined products with type designations

## Temadur Clear

meets the requirements imposed in IMO 2010 FTP Code (ref. Ch. 5.2.1 and Ch. 8), Annex 1 Part 2 and Part 5 (IMO Resolution MSC.307(88) Annex 1 Part 2 and Part 5) on

**materials with low flame-spread characteristics and not producing excessive quantities of smoke and toxic products or not giving rise to toxic hazards at elevated temperatures**

and the provisions of Marine Equipment Directive 96/98/EC, as amended, last amendment 2012/32/EU, that apply to

**surface materials with low flame-spread characteristics.**

These products have been assigned a U.S. Coast Guard Module B number (**164.112 / EC0809**) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

Manufacturer of the product is

**Tikkurila Oyj**

The Certificate is valid until April 16, 2019 unless cancelled or revoked, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo April 17, 2014



Lina Markelin-Rantala  
Product Manager



Ritva Paalanen  
Lead Assessor

Manufacturer	Tikkurila Oyj Kuninkaalantie 1 FI-01301 Vantaa Finland
Equipment	Annex A.1 Item No A.1/3.18b, surface materials with low flame-spread characteristics.
Products	Temadur Clear
Product description	Two component, glossy polyurethane varnish, hardener aliphatic isocyanate.
Approved application	On any metallic substrate with a thickness of 2,25 mm or higher. Dry film thickness of the paint max. 40 µm.
Technical document	Product Data Sheet of Tikkurila Oyj, February 28, 2013.
Test reports	Test Report RTE3160/03, 16 September 2003, VTT Finland. Inspection Report RTE3168/03 16 September 2003, VTT Finland.
Test methods	IMO FTPC Part 9 (IMO Resolution MSC. 61(67) Annex 1 Part 9) Test for surface flammability (test procedure IMO Resolution A.653(16)).
Notes	<p>This certificate replaces the previous EC Type-Examination Certificates (B-module) VTT-C-4028-15-09.</p> <p>This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.</p> <p>Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.</p> <p>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-control phase module (D, E or F) of Annex B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.</p>

END OF CERTIFICATE

