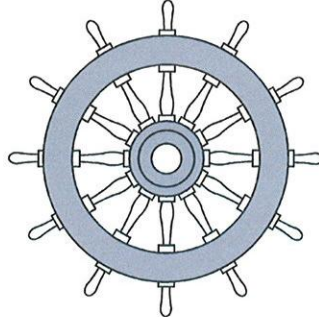


EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that the examined products with type designations

Temadur 20
Temadur 50

meet the requirements imposed in IMO 2010 FTP Code, 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 May 1, 2019 unless cancelled or revoked, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo May 5, 2014



Tiina Ala-Outinen
Business 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 20 and Temadur 50
Product description	Temadur 20: two component, semi-matt polyurethane paint containing anti-corrosive pigments, hardener aliphatic isocyanate. Temadur 50: two component, semi-gloss polyurethane paint, hardener aliphatic isocyanate
Approved application	On any metallic substrate with a thickness of 2,25mm or higher. Quantity of dry paint is max. 104 g/m ² .
Technical document	Product Data Sheets of Tikkurila Oyj, February 22, 2010.
Test reports	Test Report VTT-S-2193-14, 5 May 2014, VTT Expert Services Ltd., Finland.
Test methods	IMO 2010 FTP Code, Annex 1 Part 5 (IMO Resolution MSC.307(88) Annex 1 and Part 5) Test for surface flammability.
Notes	<p>This certificate replaces the previous EC Type-Examination Certificates (B-module) VTT-C-4033-15-09.</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

