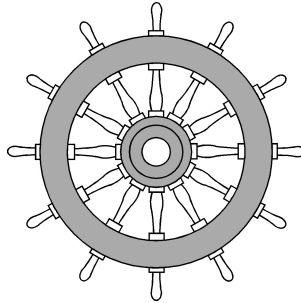


EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that Eurofins Expert Services Ltd did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and Commission implementing regulation (EU) 2018/773 subject to any conditions in the schedule attached hereto.

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 2014/90/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The Certificate is valid until May 1, 2024 unless suspended, expired or withdrawn, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo May 2, 2019

This document is electronically approved

Tiina Ala-Outinen
Business Manager

Heli Välimäki
Senior Expert

Manufacturer	Tikkurila Oyj Kuninkaalantie 1 FI-01301 Vantaa Finland
Regulation Item	MED /3.18b surface materials with low flame-spread characteristics, paint systems.
Products	Temadur 20, Temadur 50.
Product description	A two-component polyurethane paint for steel structures, machinery and equipment.
Approved application	<p>Temadur 20: two component, semi-matt polyurethane paint containing anti-corrosive pigments, hardener aliphatic isocyanate.</p> <p>Temadur 50: two component, semi-gloss polyurethane paint, hardener aliphatic isocyanate.</p> <p>On any metallic substrate with a thickness of 2,25 mm or higher. Quantity of dry paint is max. 104 g/m².</p> <p>On bulkhead, wall and ceiling linings.</p>
Technical document	Temadur 20 and 50, product data sheet 2019.
Test reports	Test Report VTT-S-2193-14 (May 5, 2014), VTT Expert Services Ltd., Finland.
Test methods	IMO 2010 FTP Code Annex 1 Part 2 and Part 5 (IMO Resolution MSC.307(88) Annex 1 Part 2 and Part 5).
Notes	<p>This certificate replaces the previous EC Type-Examination Certificates (B-module) VTT-C-11167-15-14.</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