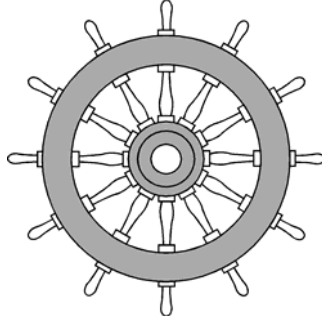


# EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that VTT 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) 2017/306, subject to any conditions in the schedule attached hereto.

## Harmony

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The Certificate is valid until June 6, 2023 unless suspended, expired or withdrawn, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo June 7, 2018

This document is electronically approved

Tiina Ala-Outinen  
Business Manager



Heli Välimäki  
Senior Expert

Manufacturer	Tikkurila Oyj Kuninkaantie 1 FI-01300 Vantaa Finland.
Regulation Item	MED 1/3.18(b), surface materials with low flame-spread characteristics, paint system.
Products	Harmony topcoat, colour orange (TVT 2080).
Product description	Waterborne, one component matt acrylic based wall and ceiling topcoat.
Approved application	On non-combustible non-metal substrates with a density of 650 kg/m <sup>3</sup> or higher and a thickness of 25 mm or greater. Dry film thickness (dft) of the paint is max. 78 µm and quantity of dry paint max. 99 g/m <sup>2</sup> .  On any metallic substrate with a thickness of 0,56 mm or greater. Dry film thickness (dft) of the paint is max. 49 µm and quantity of dry paint max. 66 g/m <sup>2</sup> .
Technical document	Harmony Product data sheet, 18.12.2014.
Test reports	Test Report VTT-S-02615-18, 28.5.2018, VTT Expert Services Ltd., Finland. Test Report VTT-S-02621-18, 28.5.2018, VTT Expert Services Ltd., Finland.
Test methods and standard	IMO 2010 FTP Code Annex 1 Part 2 and Part 5 (IMO Resolution MSC.307(88) Annex 1 Part 2 and Part 5).
Notes	This certificate replaces the previous EC Type-Examination Certificates (B-module) VTT-C-10739-15-14.  This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the notified body named on this certificate.  Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be reapproved prior to it being placed on the market and on board vessels to which the amended regulations or standards apply.  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.

END OF CERTIFICATE

