Certificate No: LR2543497MB
Issue Date: 10/04/2025
Expiry Date: 09/04/2030

Notified Body authorised by
BSH 0800-S23/4822:013

EC Type Examination (Module B) Certificate

This is to certify that:
LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a "notified body" based on the notification of the Federal Maritime and Hydrographic Agency of Germany, 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 the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	**3M Korea Limited**
Address	19F, 82 Uisadang-daero, Yeongdeungpo-gu, Seoul, 07321, South Korea
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2024/1975
Regulation Item (No. & Item Designation)	MED/3.18e Surface Materials And Floor Coverings With Low Flame-Spread Characteristics: Adhesives Used In The Construction Of 'A', 'B' & 'C' Class Divisions
Product Type	Material Having Low Flame Spread Characteristics & Not Capable Of Producing Excessive Quantities Of Smoke & Toxic Products Of Combustion
Product Description	Fire Resisting Material -Adhesives Used in the Construction Of 'A', 'B' & 'C' Class Divisions
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code), Annex 1, Part 5 **Type approval requirements -** SOLAS 74 Reg. II-2/3, SOLAS 74 Reg. II-2/5, SOLAS 74 Reg. II-2/9, SOLAS 74 Reg. X/3. **Carriage and performance requirements -** SOLAS 74 Reg. II-2/3, SOLAS 74 Reg. II-2/5, SOLAS 74 Reg. II-2/9, IMO Res. MSC.36(63) -(1994 HSC Code) 7, IMO Res. MSC.97(73) -(2000 HSC Code) 7, IMO MSC/Circ.1120.
Row of the Regulation Item	Row 1 OF 1 of Regulation (EU) 2024/1975
Trade Name	480FR Silicone Sealant

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Lloyd's Register Marine Deutschland GmbH, Willy-Brandt-Straße 59-65, 20457 Hamburg, Germany.
A member of the Lloyd's Register group

Chandrashekhar Aher

Team Lead - Fire and Safety
For and on behalf of Lloyd's Register Marine Deutschland GmbH (2923)

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The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

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. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior 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 II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

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