Certificate No: LR25361292TA
Issue Date: 12/12/2025
Expiry Date: 11/12/2030

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Yachtglass GmbH & Co. KG**
Address	Industriestr. 1, Dersum, 26906, Germany
Place of Production	HERO-GLAS Veredelungs GmbH Industriestrasse 1, Dersum, 26906, Germany
Type	Windows And Scuttles For Passenger And Cargo Ships
Description	Monolithic, thermally toughened safety glass: -Glass panels: 4, 5, 6, 8, 10, 12, 15, 19 mm
Trade Name	Marine Glazing
Application	Ship's Windows and bonded glazing for construction in accordance with: Lloyd's Register's Rules and Regulations for the Classification of Ships and Special Service Craft (SSC).
Specified Standard	ISO 21005:2018 ISO 614:2012 EN 12150-1:2015 EN 12150-2:2004 ISO 11336-1:2023
Ratings	Thickness 4 and 5 mm is limited to EN 12150.

Downloaded Copy

Guido Bornemann

Ship Structure - Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Type Approval Certificate

Marking in accordance with the applied standard. In case of yachts marking should be in accordance with ISO 11336-3:2019.
Characteristic failure strength minimum 120 MPa.

Other Conditions

The required type of glazing and required thickness to be fitted on board the vessel are to be in accordance with approved plans or in accordance with the formerly fitted glazing in case of repairs. Acceptance by Lloyd's Register will be subject to final inspection.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re- approved prior to it being supplied to vessels to which the amended standards apply.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document TSO-25-041301-H-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.