Certificate No: LR2288662TA
Issue Date: 05/05/2022
Expiry Date: 04/05/2027

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	**GL Yachtverglasung GmbH**
Address	Immelsweg 13, Halstenbek, 25469, Germany
Type	Windows And Scuttles For Passenger And Cargo Ships
Description	Invisible mechanical glass securing
Trade Name	GLY EdgeLock® 2.0
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	Manufacturer's Specification Red Ensign Group Yacht Code, Part A and Part B, as applicable ISO 11336-1: 2012, as applicable
Ratings	The number of required GLY-EdgeLocks® will be determined as follows: • minimum four GLY-EdgeLocks® are required up to a glazing weight of 400 kg in connection with SentryGlass® 5000. • minimum four GLY-EdgeLocks® are required up to a glazing weight of 200 kg in connection with Trosifol® Extra Stiff. • for every 200 kg additional weight of the glass, one additional GLY-EdgeLock® is required in connection with SentryGlass® 5000.

Downloaded Copy

Guido Bornemann

Lead Specialist SST 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

• for every 100 kg additional weight of the glass, one additional GLY-EdgeLock® is required in connection with Trosifol® Extra Stiff.

• GLY-EdgeLocks® shall be arranged evenly spaced on all edges of the pane as far as practicable to achieve a uniform load distribution.
• The position of the GLY-EdgeLock® is individually adapted to the contour of the window.

The maximum permissible design load of one GLY-EdgeLock® is 200 kg in connection with SentryGlass® 5000.
The maximum permissible design load of one GLY-EdgeLock® is 100 kg in connection with Trosifol® Extra Stiff.

The GLY-EdgeLock® may be used with the following types of laminated glass:

At least 6mm Toughened Safety Glass (EN 12150 or equivalent), SentryGlass® 5000 interlayer or Trosifol® Extra Stiff interlayer

The GLY-EdgeLock® may be installed in connection with the following Sikaflex® products:

Sika®Primer-206 G+P
Sika®Primer-207
Sikaflex®-268 PowerCure
Sikaflex®-268 + Booster P-50
Sikaflex®-296
Sikaflex®-296 + Booster P-50

The GLY-EdgeLock® is to be used in conjunction with a metric stainless screw or bolt M8 of grade A4-50 or higher. The nut and bolt is to be suitably secured.

Other Conditions

Arrangements of glazed openings including details of framing and mechanical retaining are to be in accordance with approved plans. Acceptance by Lloyd's Register will be subject to final inspection.

Downloaded Copy

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.

Certificate No: LR2288662TA
Issue Date: 05/05/2022
Expiry Date: 04/05/2027

Type Approval Certificate

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 HTS/SST 35745-22 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.