Certificate No: LR2429436TA
Issue Date: 17/02/2024
Expiry Date: 16/02/2029

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	**Shandong Ocean Pipe Technology Co., Ltd.**
Address	Wucheng Economic Development Zone, Dezhou City, 253300, China
Type	Glassfibre Reinforced Epoxy (GRE) Pipe, Fittings & Piping Systems
Description	Marine and offshore piping systems for sea water, fresh water, sanitary/drains/ scuppers and non-essential services
Trade Name	250/250-C/250-F/250-CF
Application	Marine and offshore piping systems for sea water, fresh water, sanitary/drains/ scuppers and non-essential services in locations listed in Part 5, Chapter 12, Table 12.5.1 of Lloyd's Register's Rules and Regulations for the Classification of Ships where a "0" and "L3" is indicated.
Specified Standard	LR Rules and Regulations for theClassification of Ships, July 2023 IMO Resolution A.753(18), IMOResolution A.653(16) IMO Fire Test Procedures Code, ISO15493: 2000 ISO 75-2: 2004, ISO 9854: 1994, ISO 4892: 1994, ISO 8361: 1991
Ratings	Nominal Diameter (mm): DN25~DN1000 Nominal Pressure Rating (MPa): 1.6

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Jun Hua Rong

Engineering Piping - Senior Specialist to Lloyd's Register Classification Society (China) Co., Ltd.

12th Floor, Chong Hing Finance Centre, No. 288
Nanjing West Road, Shanghai, 200003, China

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Maximum Working Temperature (°C): 90

Other Conditions Where the plastic pipes and fittings are intended to be installed on a ship classed with Lloyd's Register (LR), the following condition should be observed: Pipes and fittings intended for application in Class I, Class II and Class III systems for which there are Rule requirements, are to be manufactured in accordance with Chapter 14 of LR Rules for Materials and to be manufactured and tested in accordance with Part 5, Chapter 12, Section 5 of the Rules and Regulations for the Classification of Ships.

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 Classification Society (China) Co., Ltd. of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 19/80005

The Design Appraisal Document STS/TA/LZX/ PRJ11100436170/O-24-009190D and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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