Certificate No: LR2546183TA
Issue Date: 25/11/2024
Expiry Date: 10/07/2029

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	**JEIL E&S CO LTD**
Address	309, Chungnyeol-ro, Yangsan-si, Gyeongnam, 50592, South Korea
Type	Gasket
Description	Insulation Gasket set STARTEC® 9210 - ER, STARTEC® 9230 - ES, STARTEC® 9240 - ER, STARTEC® 9320-OS , STARTEC® 9320 -DOS, STARTEC® 9320 - HP, STARTEC® 9420-OS, STARTEC® 9320 - AE, SUPEREX® SWS(HI) JIC 3850-5E(HT)
Trade Name	STARTEC® / SUPEREX®
Application	Industrial fields, used as Protection of corrosion& electrical insulation in pipeline
Specified Standard	LR Rules and Regulations for the Classification of Ships, Part 5, Chapter 12, July 2024 Manufacture's test standards No. JEIL-13-10-002, JEIL 190610-001
Ratings	Manufacturer's product specification STARTEC® 9210 - ER : Basic 4.0 mm (4.0 - 8.0mm available) STARTEC® 9230 - ES: Basic 3.2 mm (3.0 - 8.0mm available) STARTEC® 9240 - ER : Basic 3.2 mm (3.0 - 8.0mm available)

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Engineering Piping - Senior Specialist to
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STARTEC® 9320 - OS: Basκ 6.6mm	(6.0 - 8.0mm available)
STARTEC® 9320-DOS: Basic 6.6 mm	(6.0 - 8.0mm available)
STARTEC® 9320 - HP: Basic 6.6 mm	(6.0 -8.0mm available)
STARTEC® 9320 - AE: Basic 6.6 mm	(6.0 -8.0mm available)
STARTEC® 9420 - OS: Basic 6.6 mm	(6.0 -8.0mm available)
STARTEC® 9440-IK: Basic 6.6 mm	(6.0 -8.0mm available
SUPEREX® SWS(HI):Basic4.5mm	(4.5- 5.4mm available)
JIC 3850-SE(HT):Basic 3.0 mm	(3.0-8.0mm available)

Note : The producer's catalogue to be consulted for maximum pressure and temperature ratings.

Additional Tests Hydraulic test
Insulation Resistance

Other Conditions The insulation set is to be installed and maintained in accordance with the manufacturer's instructions.

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 Asia of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version:
LR2001843TA

The Design Appraisal Document BTS/ENG/M251044/B and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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