

EC Type Examination (Module B) Certificate

This is to certify that:

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), designated as a "notified body" under the terms of the Merchant Shipping (Marine Equipment) Regulations 2016 (S.I. 2016 No.1025), as amended, 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, subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer	Hefei Xingtu Reflective Material Co., Ltd
Address	The North of Changsong Road, Hefei Recycle Economy Construction, Feidong County, Hefei City, Anhui Province, 231602, People's Republic of China
Reference	Regulation (EU) 2020/1170
Regulation Item (No. & Item Designation)	MED/1.30 Retro-Reflective Materials
Product Type	RETRO-REFLECTIVE MATERIALS
Product Description	Retro-reflective sheeting – Type - Class I "XT 1800 Marine Grade SOLAS"
Specified Standard	IMO Resolution A.658 (16) as amended Annex 2
Trade Name	Class I "XT 1800 Marine Grade SOLAS"

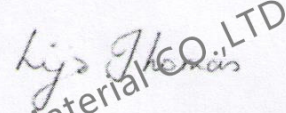
The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

This certificate is issued under the authority of the MCA. 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 LRV 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.

Lloyd's Register Verification Limited (Reg. no. 4929226) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK. A member of Lloyd's Register group.


Lloyd Thomas
Senior Surveyor to Lloyd's Register
Verification Ltd
A member of the Lloyd's Register group

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR2023440MB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

This Certificate is a Renewal and an Amendment of Certificate Number MED 1550223

EXAMINED DOCUMENTATION

XT 1800 Technical data sheet.

TEST REPORTS

XT 1800 Test Report No 2015032, conducted at Wuhan testing Centre of Marine Life Saving Appliance, in accordance with IMO Res. A.658 (16) and dated 19th June 2015.

CONDITIONS OF CERTIFICATION

1. The material shall be marked and identified as required by the applicable regulations
2. Approval of this material is only applicable to its use when applied to Life-Saving Appliance as defined by the applicable Regulation stated on Page 1 of this Certificate
 - 2.1 This is a Type I Retro-Reflective Material, therefore shall be applied on all Life-Saving Appliance which do not have continuous outdoor exposure such as Lifejackets, Immersion Suits, Indoor Lifebuoy and Liferafts
 - 2.2 The Retro-Reflective Material shall be fitted in accordance with Annex 1 of IMO Resolution A.658 (16)
3. If the specified standards are amended during the validity of this certificate, this product type is to be reappraised prior to it being supplied to vessels to which the amended standards apply
4. The manufacturer shall keep a copy of the EC type-examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel mark has been affixed on the last product manufactured and in no case for a period shorter than the expected life of the marine equipment concerned.
5. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and be recorded by the manufacturer in accordance with either the approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or witnessed by the Notified Body as required by the Product Verification (Module F) of the Marine Equipment Directive. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration
6. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place
7. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/ assembly/ testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This certificate will require to be updated for Approval to be maintained



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Certificate No:	LR2023440MB
Issue Date:	21/09/2020
Expiry Date:	20/09/2025
Reference:	UKITSO/TA/LSA/LT/WP40296348

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PLACE OF PRODUCTION

Hefei Xingtu Reflective Material Co., Ltd
The North of Changsong Road
Hefei Recycle Economy Construction
Feidong County
Hefei City
Anhui Province, 231602
People's Republic of China

Lijie Thomas
Hefei Xingtu Reflective Material CO., LTD

Lijie Thomas
Senior Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

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