



EC TYPE EXAMINATION (MODULE B) CERTIFICATE

No. 01-016261/0112744

THIS IS TO CERTIFY:

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

TYPE AND DESCRIPTION OF PRODUCT

Protective clothing for fire fighting
FIRE-FIGHTER'S OUTFIT Type FYRPRO XTREME and FYRPRO XTREME/C

NUMBER AND ITEM DESIGNATION (in accordance with Annex of Regulation (EU) 2023/1667)

MED/3.3a Fire-fighter's outfit: protective clothing (close proximity clothing): -protective non reflective clothing for firefighting

MANUFACTURER:

İ.S.T. İşçi Sağlığı Teçhizatı San. Ve Tic. Ltd. Şti.
İvedik OSB Mah. 2269. Cad. No:42
Pk.06374 Yenimahalle/ANKARA
Türkiye

Place of production (if different from above):

REGULATIONS AND STANDARDS (in accordance with Annex of Regulation (EU) 2023/1667)

SOLAS 74 as amended Reg. II-2/10 & X/3, IMO Res.MSC.98(73)-(FSS Code) 3,
IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7,
EN 469:2020

NOTICE:

1. Further details of the product and conditions for certification are given overleaf.
2. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
3. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
4. 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.
5. In case limitations of use apply, these should be indicated of in the Schedule of Approval.



Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: 2027-12-15

Place and date: Split, 2023-12-15

Seal

Signature

Marinko Popović, dipl.ing.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

FYRPRO XTREME (Art. No. 13152370) is fire fighter's suit consisting of jacket and trousers.

FYRPRO XTREME-C (Art. No. 13152371) is fire fighter's suit consisting of one-piece coverall.

The fire fighter's suit material (fabric assembly) consists of the 4 layers:

Outer layer: 75% Meta-aramid + 23% Para-aramid + 2 % antistatic fibre (200 g/m²).

Moisture barrier: Felt + PTFE® / 80% meta-aramid, 20% para-aramid + PTFE membrane (170 g/m²).

Heat barrier: 100% Aramid nonwoven (75 g/m²) quilted to the inner layer.

Inner layer: 50% Meta-aramid + 50% viscose FR (115 g/m²).

Jacket and coverall are made with Korean neck and hook- and-loop closure.

Retroreflective stripes (yellow-silver-yellow) 5 cm wide are placed on the outfits (on the chest, back, on each sleeve and on each trouser leg).

Front openings of coverall, jacket, and trousers (pockets) are equipped with zipper covered by a flap stitched by hook-and-loop.

Closure system: metal zip fastener and plastic zip fastener and flame-retardant hook-and-loop closure.

Cuffs: Meta-aramid knitted fabric consist of 98% aramid + 2% of antistatic fibre

Seam material: 100% Aramid

Reinforcement material: Silicone carbon coated fibre consisting of 80% PA + 20% Para-aramid.

Performance levels: X2, Y2 and Z2.

Optional:

- Reinforced knees and elbows
- Antiwicking material (to the inner side of the end of jacket, sleeves, and trouser legs)
- Cargo pockets on chest and /or trousers
- 50mm yellow-silver-yellow segmented reflective can be used upon customer demand in addition to the above-mentioned retroreflective stripes.
- The inner layers of the garment (moisture barrier + heat barrier + inner layer) can be detachable on request for easier maintenance. In this case, the garment should not be used without attaching the detachable inner layer to the outershell with hook-and- loop/zippers.

2. APPLICATION/LIMITATION OF USE

The protective clothing (jacket and trousers, which must be worn together or one-piece coverall) shall be worn together with boots, gloves and helmet which have been approved in accordance with the MED.

3. DESIGN DRAWINGS AND SPECIFICATIONS

EU Type-examination certificate PPE-2119-20947-Cert and PPE-2120-20947-Cert, issued on 2023-11-08 by ANCCP Certification agency (Notified Body No. 0302).

Technical file of FYRPRO XTREME and XTREME-C, rev.00 dated September 2023.

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

- Test reports no. 2305286-001 dated 2023-09-04, no. 2300815-001 dated 2023-02-22, no. 2303502-001 dated 2023-05-23, no. 2305300-001 dated 2023-09-04, no. 2208332-001/002/003/004/005 dated 2022-12-20 all issued by Centro Tessile Serico Sostenibile Srl

- Test report no. 1678-1/22 dated 2022-10-17 and no. 1690-1/22 dated 2022-11-21 issued by Mirta-Kontrol d.o.o.

- Certificate of test no. 22CN6446 and test report no. 2022CN6445 dated 2022-12-15 issued by Aitex and certificate of test no. 22CN6490 and test report no. 2022CN6489 dated 2022-12-22 issued by Aitex.

- Test report PPE-20947-RP-001 XTREME dated 2023-10-20 issued by ANCCP Certification Agency S.r.l.

5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

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6. OTHER MATERIALS AND/OR COMPONENT

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7. PRODUCTION SURVEY REQUIREMENTS

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8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

Detail User and Maintenance instructions are to be provided with each product.
Handling, cleaning, storage, use and restrictions for use to be in accordance with the manufacturer’s instructions.

9. MARKING AND IDENTIFICATION



Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 9, 10 and 15 of the Directive, the Manufacturer is allowed to affix the “Mark of Conformity” to the Product described herein.

xxxx/yy *xxxx - the number of the Notified Body undertaking surveillance module (2489 in case of CRS)*
 yy - the last two digits of year mark affixed
Each part of the suit shall be also marked in accordance with EN 469 (item 7).

10. OTHER

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

- END OF CERTIFICATE -

