

EU TYPE-EXAMINATION CERTIFICATE

We certify that the following personal protective equipment meets the essential health and safety requirements set out in the Regulation (EU) 2016/425 of the European Parliament and of the Council which apply to it.

Certified personal protective equipment:

Antistatic, high visibility clothing to protect against heat, flame and liquid chemicals

Parts: **jacket and bib trousers or jacket and brace trousers**

Identifiers: - jacket with retroreflective strip: **Dávid-Iva-st-k-22-03**
- bib trousers with retroreflective strip: **Dávid-Iva-st-mn-22-01**
- brace trousers with retroreflective strip: **Dávid-Iva-st-dn-22-02**

Applicant (manufacturer):

SIRIUS PRODUKT Ltd.

Címe: H-1044 Budapest, Szilaspaták sor 42/b. 2. em. 13.

Harmonised standards applied by the manufacturer:

The certified personal protective equipment meets the requirements of the following standards:

MSZ EN 13034:2005+A1:2009 *Protective clothing against liquid chemicals. Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment)*
Type: **PB [6]**

Classification according to MSZ EN 14325:2018:

Liquid repellency (H₂SO₄, 30% / NaOH, 10% / o-Xylene / Butan-1-ol): **3 / 3 / 3 / 3**

Resistance to penetration by liquids (H₂SO₄, 30% / NaOH, 10% / o-Xylene / Butan-1-ol): **3 / 3 / 3 / 3**

Abrasion resistance: **2** Tear resistance: **2** Tensile strength: **5**

Puncture resistance: **2** Seam strength: **4**

MSZ EN 1149-5:2019 *Protective clothing. Electrostatic properties.*

Part 5: Material performance and design requirements

MSZ EN ISO 20471:2020 *High visibility clothing. Test methods and requirements (ISO 20471:2013, Corrected version 2013-06-01 + Amd 1:2016)*

Classification according to 4.1: **Level 3**

MSZ EN ISO 13688:2013 *Protective clothing. General requirements (ISO 13688:2013)*

Other standards applied by the manufacturer:

The certified personal protective equipment meets the requirements of the following standards:

MSZ EN ISO 11612:2016 *Protective clothing. Clothing to protect against heat and flame. Minimum performance requirements (ISO 11612:2015)*

Performance levels: **A1+A2, B1, C1, E3, F1.**

MSZ EN ISO 11611:2016 *Protective clothing for use in welding and allied processes (ISO 11611:2015)*

Performance levels: **A1+A2, Class 1.**

Risk category according to Annex 1 to Regulation (EU) 2016/425: **III. category**

Note: This document is the modification of B-299/2022, B-299/2022-M1/2022 and B-299/2022-M2/2023 EU-type examination certificates.

Reason of the modification: The name of the certified protective clothing has changed

Notified body:

INNOVATEXT Textile Engineering and Testing Institute Co.

Address: H-1103 Budapest, Gyömrői út 86.

Identification number: **NB. 1523**

Annexes:

Description of the certified personal protective equipment

Certification Report (number: **TJ-299-2022-M2-2023**, date of issue: 23.02.2023)

The detailed results of the EU Type-Examination are contained in the Certification Report and test report(s) and/or certificate(s) referred to therein.

This EU Type-Examination Certificate shall only be used in conjunction with one of the conformity assessment procedures referred to in point (c) of Article 19 of Regulation (EU) 2016/425 of the European Parliament and of the Council.

This EU Type-Examination Certificate is valid until 16 November 2027.

Budapest, 16 January 2024



Dr. Livia Kokas Palicska
CEO

DESCRIPTION OF THE CERTIFIED PERSONAL PROTECTIVE EQUIPMENT
[ANNEX to EU Type-Examination Certificate No. B-299/2022-M3/2024(E)]**Certified personal protective equipment:**

Antistatic, high visibility clothing to protect against heat, flame and liquid chemicals

Parts: **jacket and bib trousers or jacket and brace trousers**

Identifiers: - jacket with retroreflective strip: **Dávid-Iva-st-k-22-03**
- bib trousers with retroreflective strip: **Dávid-Iva-st-mn-22-01**
- brace trousers with retroreflective strip: **Dávid-Iva-st-dn-22-02**

Applicant (manufacturer):

SIRIUS PRODUKT Ltd.

Címe: H-1044 Budapest, Szilaspaták sor 42/b. 2. em. 13.

Description of the protective equipment:**Jacket with retroreflective strip:**

Upper-thigh-length jacket with flat collar, the mid-front is closed with covered snaps from the attachment of the collar to the bottom line. A hanger loop from the base material inside mid-back is seamed in the line of the attachment of collar.

The right and left mid-fronts are made with a facing cut in one together with the front. In the left mid-front, there is an underplate with snaps from the horizontal cutting-line of the shoulder to the stitching line of the bottom turn-up. Between the snaps, the strap is stitched to the front with a stitching line. The distance between the snaps is max. 15 cm.

The right and left front is made out of a separately cutted shoulder part. On the bust parts of the right and left front, there is a patch pocket with sloping corners, closing with one or two snaps hidden in the pocket cover, fixed with double stitches. The top of the double stitched pocket cover is seamed to the horizontal cutting line, the lower edges are oblique. The pocket covers are at least 1-1 cm wider than the pocket hole at each side and their sides may be stitched at the top by the lower corners.

At the right and left front, under the sloped cutting line placed at the waistline, there is two patch pocket parallel to the cutting line, closing with one or two snaps hidden in the pocket cover, fixed with double stitches. The top of the double stitched pocket cover is seamed to the sloped cutting line. The pocket covers are at least 1-1 cm wider as the pocket hole at each side and their sides may be stitched at the top by the lower corners.

The back is made with a separately cutted shoulder part. Below it on each side, there is a width pleat folded to the side seam; the top of the width pleat is seamed to the horizontal cutting line. The outer and inner pleat edges are stitched. Under the bottom part turn-up, the lower part of the width pleat is stitched to the pleat edges, while it is stitched sloped to the back above the stitching line of bottom part turn-up (at least 60°).

The bottom of the one-seamed sleeve is in the seaming line, made with hidden hemmed slit closing with covered slops inside and outside as well.

The bottom part turn-up of the coat is double folded, wide (strap-like) stitched.

The shoulder seam, the side seam, the sleeve pleat, the horizontal and sloped cutting lines are double stitched.

The jacket is made with an 5 cm wide silver retroreflective strip on the waist line and the bottom line and 2 stripes on both sleeves. The distance of the stripe from the bottom line is min. 50 mm.

Bib trousers with retroreflective strip:

Straight leg bib trousers made with heightened side.

On the separately cutted bust part, lined with the basic material, there is a hidden patch pocket, closing with one or two snaps in the pocket cover, fixed with double stitches. The double stitched pocket cover is seamed in the bottom of the stitching line of the piping. The pocket covers are at least 1-1 cm wider than the pocket hole at each side. In the cover of the pocket flap there is a pocket hole of an other pocket, which closes with the zipper in the cutting line.

One part of the buckles is fixed by the shoulder strap loops in the upper seaming line of the bust part lining and the bust part hemming band. The shoulder straps seamed to the back panel can be fixed to the strap loops with the other part of the buckles. The comfortable moving is ensured by the elastic ribbon in the back of the shoulder strap.

On the front part, the covered slit is closing with buttons.

At the right and left front, there is a patch pocket with sloping corners and reinforced (double layered) bottom part. The pocket flap and the top of the pockets are seamed in the cutting line of the bust part, one side is seamed in the outer side seam. The pocket flaps cover the pocket hole with an overlapping of 2 cm.

On the right and left side, the slit closes with hidden buttoning.

The back parts and back legs are cut in one piece. On the back of the right leg at the outer side seam, there is tool pocket with sloping corners. One side of the pocket is seamed into the outer side seam. The pocket flap is 1 cm wider than the pocket and is sloping at an angle of at least 45° to the inner side seam of the leg. The bottom corners are reinforced onto the back of the leg.

At the branching the inner side seam is made with a gusset.

The bottom of the legs are stitched with a double turn-up.

The front and back-rise, the panel seamed on the back part, the inner side seam and the gusset are double stitched.

The bib trousers are made with two, 5 cm wide silver retroreflective stripes on the lower part of each legs. The distance of the stripe from the bottom line is min. 50 mm.

Brace trousers with retroreflective strip:

Straight leg trousers made with covered slit and flexible waist part.

On the front, the covered slit is closing with buttons. At the right and left front, there is a patch pocket with sloping corners and reinforced (double layered) bottom part. The pocket flap and the top of the pockets are seamed in the cutting line of the waist part, one side is seamed in the outer side seam. The pocket flaps cover the pocket hole with an overlapping of 2 cm.

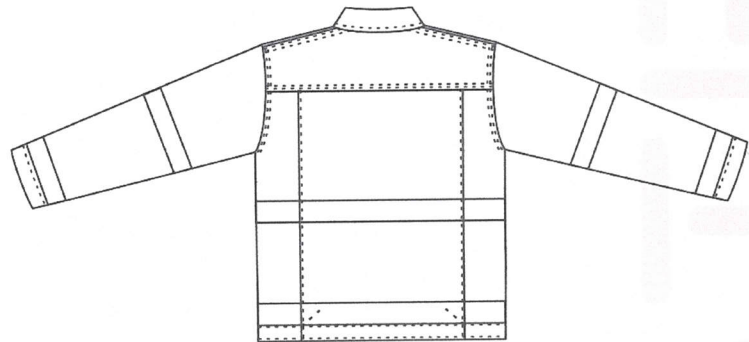
On the back of the right leg at the outer side seam, there is tool pocket with sloping corners. One side of the pocket is seamed into the outer side seam. The pocket flap is 1 cm wider than the pocket and is sloping at an angle of at least 45° to the inner side seam of the leg. The bottom corners are reinforced onto the back of the leg.

The bottom of the legs are stitched with a double turn-up.

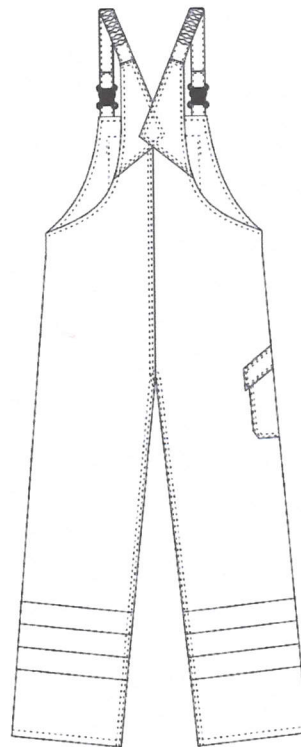
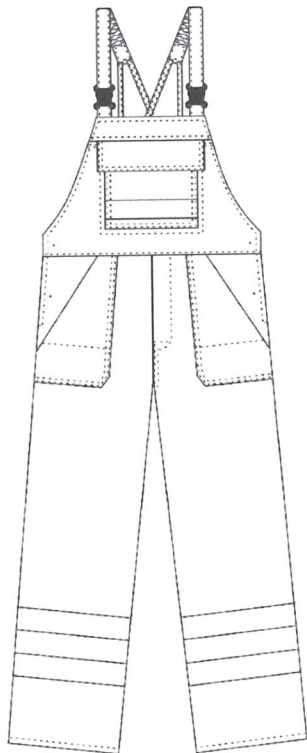
The trousers are made with two, 5 cm wide silver retroreflective stripes on the lower part of each legs. The distance of the stripe from the bottom line is min. 50 mm.

The drawing of the protective equipment:

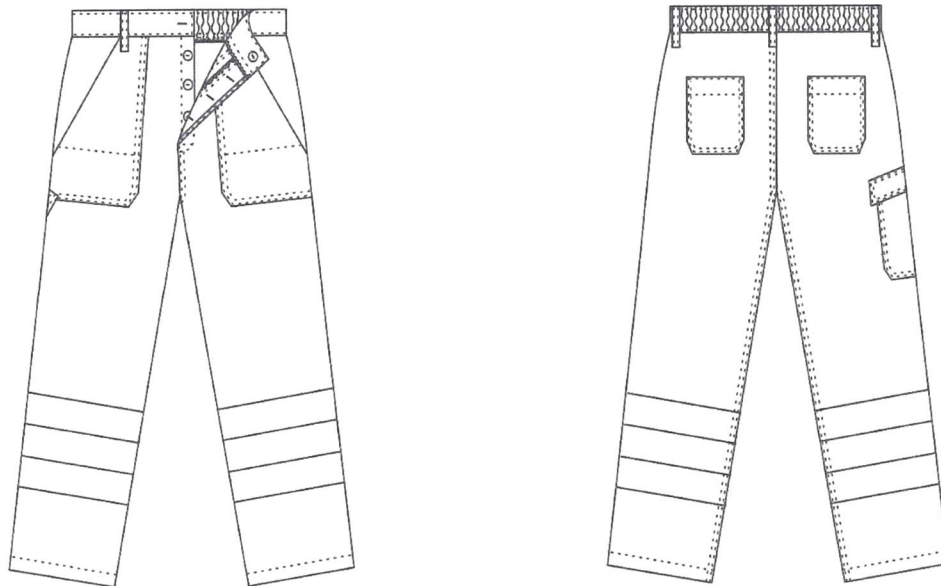
Jacket with retroreflective strip:



Bib trousers with retroreflective strip:



Brace trousers with retroreflective strip:



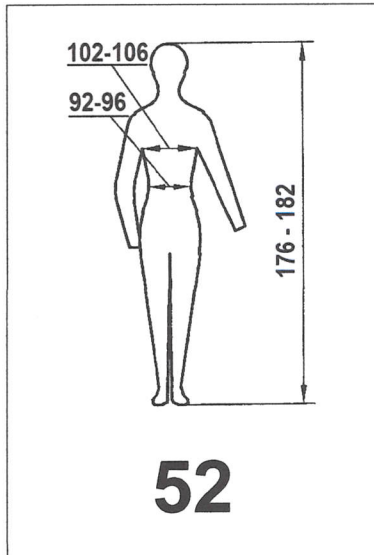
Main materials used for protective equipment:

Main material: Woven fabric for protective clothing
(flame retardant, antistatic, liquid repellent)
Distributor: Polish Textile Group Ltd.
Name: STORM
Mass per unit area: $275 \pm 10 \text{ g/m}^2$
Raw material composition: 75% cotton, 24% polyamide, 1% antistatic fibre
Color: Fluorescent yellow

Retroreflective material: XM-8011 Heat Transfer Reflective tape (film)
Distributor: XM TEXTILES Europe UAB
Size: 50 mm
Color: Silver
Raw material composition: Malta HT PU + Polyester

Marking of the protecting equipment:

Sizing label:










Marking label:

SIRIUS PRODUKT Kft.
1044 Budapest, Szilaspatak sor 42/b. 2. em. 13.

Antistatic, high visibility clothing to protect against heat, flame and liquid chemicals

Parts: jacket and bib trousers or jacket and brace trousers
Identifiers: - jacket: Dávid-lva-st-k-22-03
- bib trousers: Dávid-lva-st-mn-22-01
- brace trousers: Dávid-lva-st-dn-22-02

Raw material composition:
75% cotton, 24% polyamide, 1% antistatic fibre

 EN ISO 11612:2015 A1+A2 B1 C1 E3 F1	 EN ISO 11611:2015 A1+A2, Class 1
 EN 1149-5:2018	 EN 13034:2005+A1:2009 Type PB [6]
 EN ISO 20471:2013 EN ISO 20471:2013/A1:2016	 max. 50x (in case of regular impregnation) See the information sheet!
	CE 1523 Cat. III.

Date of manufacturing (year, month):

Budapest, 16 January 2024


Dr. Livia Kokas Palicska
 CEO