

EU TYPE-EXAMINATION CERTIFICATE

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

Certified personal protective equipment:

Antistatic, heat and flame resistant protective clothing against liquid chemicals, rain and thermal risks of electric arc

Identifiers: **Dávid-MR-bk-ev-23-01/1** jacket

Dávid-MR-bk-ev-23-01/2 jacket with detachable sleeves

Dávid-MR-bk-ev-23-01/3 jacket with elastic waist

Dávid-MR-bk-ev-23-01/4 jacket with hood

Dávid-MR-bk-ev-23-01/5 jacket with lengthened back

Dávid-MR-bk-ev-fv-23-02/1 jacket with retroreflective strip

Dávid-MR-bk-ev-fv-23-02/2 jacket with detachable sleeves and retroreflective strip

Dávid-MR-bk-ev-fv-23-02/3 jacket with elastic waist and retroreflective strip

Dávid-MR-bk-ev-fv-23-02/4 jacket with hood and retroreflective strip

Dávid-MR-bk-ev-fv-23-02/5 jacket with lengthened back and retroreflective strip

Dávid-MR-dn-ev-fv-23-02/M brace trousers with retroreflective strip

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

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

MSZ EN ISO 13688:2013/A1:2022 *Protective clothing. General requirements 1.modification (ISO 13688:2013/Amd 1:2021)*

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 14325:2004:

Liquid repellency (H₂SO₄, 30% / NaOH, 10% / o-Xylene / Butan-1-ol/ HCl 37%/ HNO₃ 65%): **3 / 3 / 1 / 1 / 3 / 2**

Resistance to penetration by liquids

(H₂SO₄, 30% / NaOH, 10% / o-Xylene / Butan-1-ol/ HCl 37%/ HNO₃ 65%): **3 / 3 / 2 / 2 / 3 / 3**

Abrasion resistance: **4**

Tear resistance: **3**

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 343:2019

Performance levels:

Protective clothing. Protection against rain

Water penetration (W_p)

Class 3

Water vapour resistance (R_{et}):

Class 1

Other standards applied by the manufacturer:

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

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

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

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, E2, F1.**

MSZ EN 61482-1-2:2015 *Live working. Protective clothing against the thermal hazards of an electric arc. Part 1-2: Test methods. Method 2: Determination of arc protection class of material and clothing by using a constrained and directed arc (box test) (IEC 61482-1-2:2014)*

Performance level: **Class 2**

The detachable sleeve versions (Dávid-MR-bk-ev-23-01/2 and Dávid-MR-bk-ev-fv-23-02/2) comply with the specified standards only when worn with a protective trouser with jacket having a level of protection not lower than their own.

Notified body:

INNOVATEXT Textile Engineering and Testing Institute Co.

Address: H-1103 Budapest, Gyömrői út 86.

Identification number: **1523**

Annexes: **Description of the certified personal protective equipment**
Certification Report (number: **TJ-481-2023**, date of issue: 27. 11. 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 4 December 2028.

Budapest, 5 December 2023.


Dr. Livia Kokas Palicska
CEO

DESCRIPTION OF THE CERTIFIED PERSONAL PROTECTIVE EQUIPMENT

[ANNEX to EU Type-Examination Certificate No. B-481/2023(E)]

Certified personal protective equipment:

Antistatic, heat and flame resistant protective clothing against liquid chemicals, rain and thermal risks of electric arc

Identifiers: **Dávid-MR-bk-ev-23-01/1** jacket
Dávid-MR-bk-ev-23-01/2 jacket with removable sleeves
Dávid-MR-bk-ev-23-01/3 jacket with elastic band in the waist
Dávid-MR-bk-ev-23-01/4 jacket with hood
Dávid-MR-bk-ev-23-01/5 jacket with extended back
Dávid-MR-bk-ev-fv-23-02/1 jacket with retroreflective strip
Dávid-MR-bk-ev-fv-23-02/2 jacket with removable sleeves and retroreflective strip
Dávid-MR-bk-ev-fv-23-02/3 jacket with elastic band in the waist and retroreflective strip
Dávid-MR-bk-ev-fv-23-02/4 jacket with hood and retroreflective strip
Dávid-MR-bk-ev-fv-23-02/5 jacket with extended back and retroreflective strip
Dávid-MR-dn-ev-fv-23-02/M brace trousers with retroreflective strip

Applicant (manufacturer):

SIRIUS PRODUKT Ltd.

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

Description of the protective equipment:

Jacket (Dávid-MR-bk-ev-23-01/1):

Straight-line, stand-up collar, dropped shoulders, T-sleeve hooded lined jacket. The middle of the front is closed with a zipper, which is covered by a Velcro from the bottom of the jacket to the top of the collar.

The lined standing collar consists of three layers of material. The hood attached to the neck can be folded into the collar that closes with Velcro.

In the center of the back, on the inside, there is a hanger made of the outer material held in the seam line of the lined collar. The shoulder seam is sewn in a single row.

The hood is tailored and lined in two parts. Its abundance can be changed by a strap made of the outer material, which led to the folding back of the edge of the hood.

There is an incised pocket with a vertical zipper in the middle of the front at chest height next to the closure zipper.

The waistline is designed with a cut line. An incised pocket placed in the cut line is made with a pocket flap that closes with a Velcro fastener. The back is tailored in two parts.

At the bottom of the single-seam sleeve, there is a protective part made of knitted fabric between the inner hem and the lining. The bottom of the sleeve is covered with the outer material widely on the inside.

The left front has a pocket flap attached to the lining. The bottom of the jacket is covered with the outer material widely on the inside. All seams are welded.

Jacket with reflective strip (Dávid-MR-bk-ev-fv-23-02/1):

The design of this protective jacket is identical to that of the product Dávid-MR-bk-ev-23-01/1, with the following differences:

Dávid-MR-bk-ev-fv-23-02/1 is a protective jacket with a 5 cm wide, ironable silver and yellow reflective strip on the front, on the back and on both sleeves.

The reflective strip runs from the waistline of the front to the waistline of the back, crossing the shoulders. The strips are ironed on the waist line, above the cut line and on the hip line. One stripe is ironed below the cut line of the sleeves and another on the bottom.

Jacket with removable sleeves (Dávid-MR-bk-ev-23-01/2):

Thigh-length lined jacket with a horizontal collar. The front center closes with a hidden zipper and hidden metal press buttons from the collar seam to the bottom. In the center of the back, on the inside, there is a hanger made of the outer material held in the seam line of the lined collar. The shoulder seam is sewn in a single row.

The right and left fronts are tailored in three parts. On the right and left front of the chest, there are 1 patch pocket double-stitched to the front, made with pocket flap, closing with a hidden Velcro. The single-row stitched pocket flaps are held in the double-row stitched horizontal cut line. On the right and left front, below the waistline, there are 1 patch pocket double-stitched to the front, made with pocket flap, closing with a hidden Velcro. The single-row stitched pocket flaps are caught in the double-row stitched horizontal cut line. The sides of the upper and lower pocket flaps are pinned to the front parts, 1-1 cm wider than the pockets on both sides.

At the left front, inside, at chest height, a patch pocket with cut corners is single-row stitched to the lining.

The back is tailored in one piece.

The sleeves are made in one piece and can be removed/attached to the armhole with a hidden zipper. The bottom width of the sleeves is adjusted by an elastic band attached to the cuff. The cuff is stitched on the horizontal center line.

The bottom of the jacket is stitched with an inner hem sewn to the lining.

Jacket with removable sleeves and reflective strip (Dávid-MR-bk-ev-fv-23-02/2):

The design of this protective jacket is identical to that of the product Dávid-MR-bk-ev-23-01/2, with the following differences:

Dávid-MR-bk-ev-fv-23-02/2 is a protective jacket with a 5 cm wide, ironable silver reflective strip on the front, on the back and on both sleeves.

Jacket with elastic band in the waist (Dávid-MR-bk-ev-23-01/3):

Lined jacket with a stand-up collar. The front closes with a zipper to the bottom and velcro fasteners placed on the separately cut, unlined cover strap. In the center of the back, on the inside, there is a hanger made of the outer material held in the seam line of the lined collar.

The right and left front are tailored in two parts. On the right and left front of the chest, there are 1-1 patch pocket with cut corners and pocket flaps, closed with hidden press button, double-stitched onto the front. The single-row stitched pocket flaps are held in the double-row stitched horizontal cut line. The pocket flaps are 1-1 cm wider than the pockets on both sides.

On the right and left front, below the waistline, there is single welt pocket with slope opening, closed with a hidden press button.

On the left front, inside, at chest height, there is a cut-out pocket closed with a zipper, the pocket flaps of which are made of raw material.

The back is tailored in one piece.

The bottom width of the sleeve, which is cut in one part, is regulated by an elastic band tied into the rubber casing formed by the fold.

The width of the custom-made understrap from the front of the right through the back to the front of the left, from the center line of the front to approx. It is adjusted to 15-15 cm by the elastic band attached to the strap. The rubberized part is stitched along the center line of the strap.

Jacket with elastic band in the waist and reflective strip (Dávid-MR-bk-ev-fv-23-02/3):

The design of this protective jacket is identical to that of the product Dávid-MR-bk-ev-23-01/3, with the following differences:

Dávid-MR-bk-ev-fv-23-02/3 is a protective jacket with a 5 cm wide, ironable silver reflective strip on the front, on the back and on both sleeves.

Jacket with hood (Dávid-MR-bk-ev-23-01/4):

Stand-up collar, thigh-high lined jacket. The front center is closed with a zipper from the top edge to the bottom of the collar and press buttons located on the separately cut, lined cover strap. In the center of the back, on the inside, there is a hanger made of the outer material held in the seam line of the lined collar.

The removable hood can be fastened from the outside with press buttons under the neck seam line. When removed, the pressure buttons are covered by a cover strap made of the outer material and fixed with Velcro. The lined hood is tailored in three parts, the width of the front can be adjusted with an adjustable strap made of the outer material attached to the cord housing.

The front shoulder part and the back shoulder part is tailored in one piece. The right and left fronts are cut in three parts. A reflective strip is pinned under the cut lines of the shoulder part. The upper edge is attached to the horizontal cut line, the sides to the sleeves seam lines.

1-1 patch pockets with pocket flaps are double-stitched to the right and left front of the chest, closed by hidden press buttons. The pocket flaps, stitched in a single row, with cut corners, are held in the cut line. The corners of the pockets, which are closer to the sideline, are cut. The pocket flap on the right front is divided into two equal parts by a stitch. The pocket is made with a fold.

1-1 patch pockets with pocket flaps are double-stitched to the right and left front of the waist, closed by hidden press buttons. The single-row stitched pocket flaps are held in the double-row stitched horizontal cut line. The pockets are double tailored. The outer pocket is covered with a pocket flap and has a slanted opening line and closed with a hidden press button.

The sides of the upper and lower pocket flaps are pinned to the front parts, 1-1 cm wider than the pockets on both sides. On the left front, inside, at chest height, there is a patch pocket single-row stitched onto the lining.

The waist can be adjusted with a strap made of the outer material, which is threaded into the cord housing sewn on the inside. The two ends are led out through the buttonholes sewn on the lining.

On the back, there is a reflective strip attached to the cut line of the shoulder part, the bottom edge of which is stitched in a single row, the sides are attached to the sleeve seam line. The bottom of the sleeve is made with an inner band sewn to the lining. The bottom of the jacket is made with an inner band sewn to the lining.

Jacket with hood and reflective strip (Dávid-MR-bk-ev-fv-23-02/4):

The design of this protective jacket is identical to that of the product Dávid-MR-bk-ev-23-01/4, with the following differences:

Dávid-MR-bk-ev-fv-23-02/4 is a protective jacket with a 5 cm wide, ironable silver reflective strip on the front, on the back and on both sleeves.

Jacket with extended back (Dávid-MR-bk-ev-23-01/5):

Lined jacket with a stand-up collar. The front center is closed with a zipper from the top edge to the bottom of the collar and press buttons located on the separately cut cover strap. In the center of the back, on the inside, there is a hanger made of the outer material held in the seam line of the lined collar.

The right and left front are tailored in two parts. On the chest line, there are 1-1 patch pockets with pocket flaps closed with hidden press buttons. The single-row stitched pocket flaps are held in the double-row stitched horizontal cut line. The pocket covers are 1-1 cm wider than the pockets on both sides.

On the right and left front, under the waistline, there is a single welt pocket with an opening line approximately parallel to the side seam, closed with a hidden press button.

On the left front, inside, at chest height, a patch pocket is sewn onto the lining, made of the outer material. The back is tailored in one part, in an elongated design.

The sleeves are made of 3 separately cut pieces. The bottom width is adjusted by an elastic band attached to the backfold of the bottom. At the front, the width of the separately cut bottom strap is adjusted by an elastic band, fixed to the strap from approx. 15 cm from the front center. The elastic band is stitched along the horizontal center line on the strap.

Jacket with extended back and reflective strip (Dávid-MR-bk-ev-fv-23-02/5):

The design of this protective jacket is identical to that of the product Dávid-MR-bk-ev-23-01/5, with the following differences:

Dávid-MR-bk-ev-fv-23-02/5 is a protective jacket with a 5 cm wide, ironable silver reflective strip on the front, on the back and on both sleeves.

Brace trousers with retroreflective strip (Dávid-MR-dn-ev-fv-23-02/M):

Straight line brace trousers with side pockets, a waistband, and a button closure in the middle of the front.

On the center line of the front of the pants, the hidden slit and the waistband are closed with 3+1 buttons. The lower part of the five belt holders is attached to the stitching line of the waistband, the upper part is pinned onto it. The width of the pants is adjusted by an elastic band attached to the back of the waistband.

A patch pocket with a pocket cover and with slanted opening line is double-stitched on the right and left front. The corner of the pocket is cut. The pockets are made of 2 layers, from which the lower is strengthened. The pocket cover covers the line of the pocket opening with an overlap of 2 cm. The top edge of the pocket flaps and pockets are attached to the waistband, and one side is attached to the outer side seam.

There is a tool pocket with a pocket cover and with slanted opening line, with cut corners, double-row stitched onto the right back leg, at the outer side seam. One side of the pocket is held in the outer side seam. Both lower corners of the double-row stitched, slanted pocket cover are attached to the legs of the trousers. The pocket cover is 1-1 cm wider than the pocket on both sides. The pocket cover slopes at an angle of at least 45° towards the inner side seam.

Two 5 cm wide silver reflective strips are attached to the legs. The distance of the strip from the bottom line is min. 5 cm.

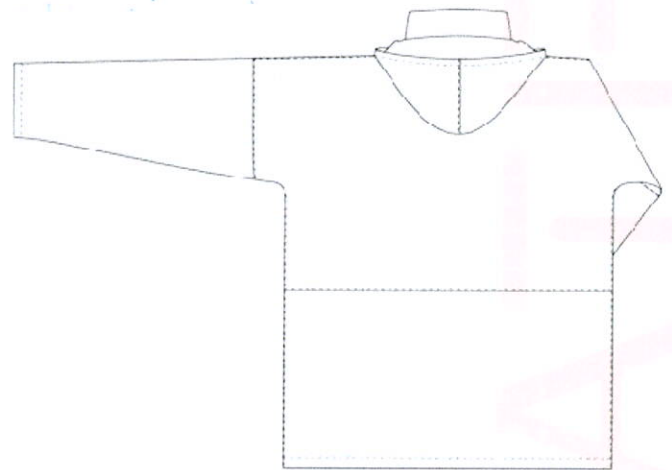
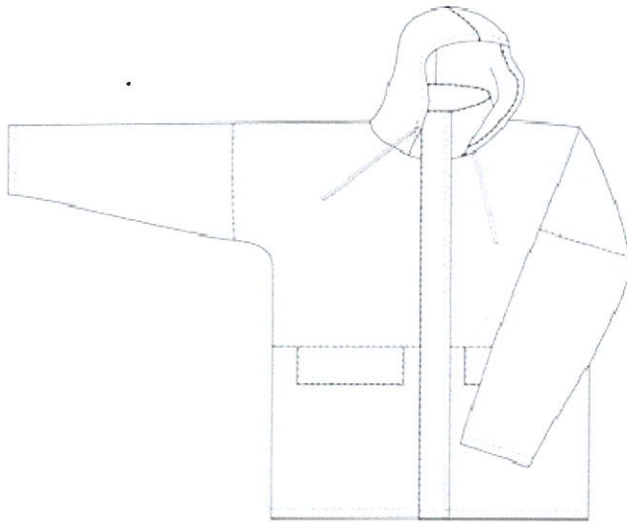
The bottom of the legs is folded back and stitched.

The drawings of the certified protective equipment:

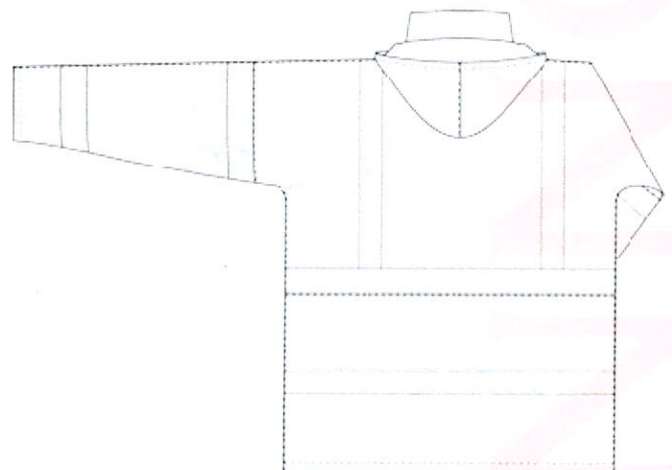
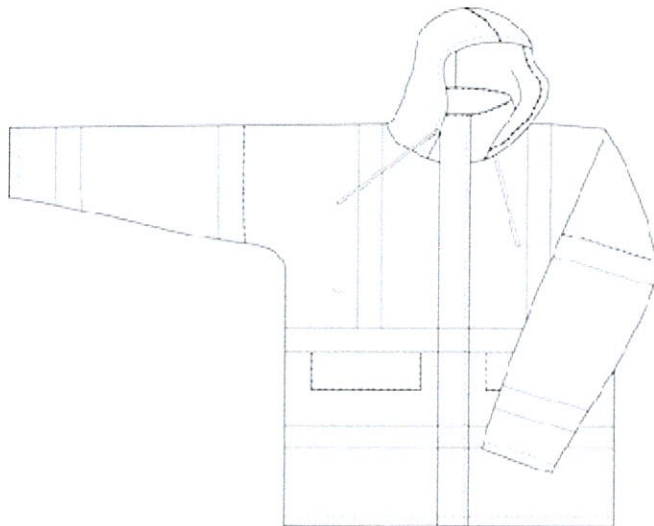
Brace trousers with retroreflective strip (Dávid-MR-dn-ev-fv-23-02/M):



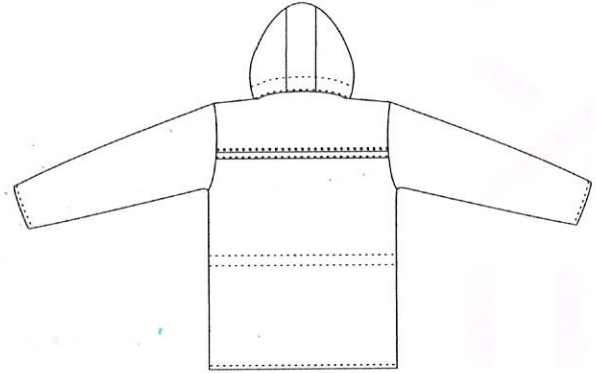
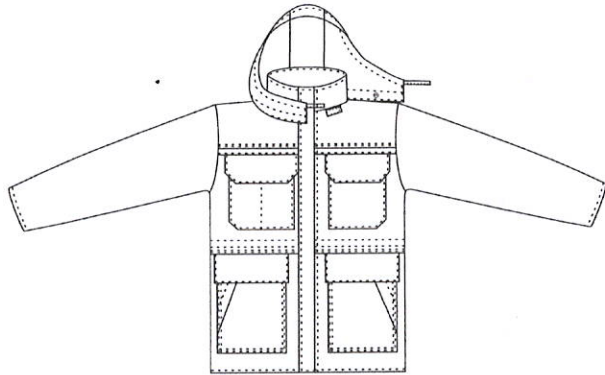
Jacket (Dávid-MR-bk-ev-23-01/1):



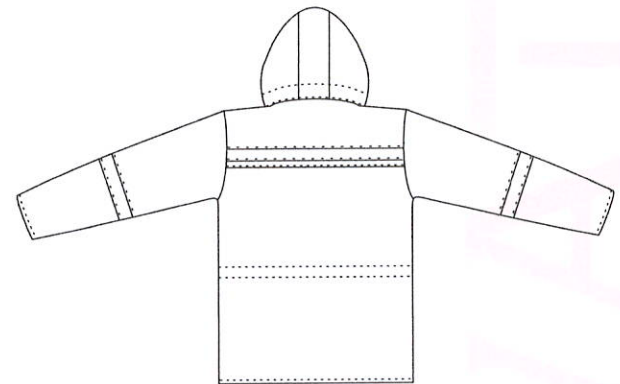
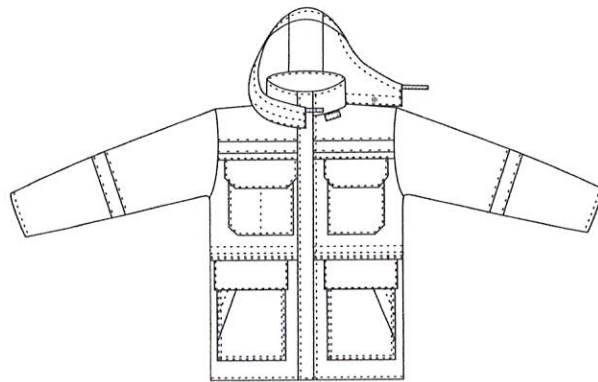
Jacket with reflective strip (Dávid-MR-bk-ev-fv-23-02/1):



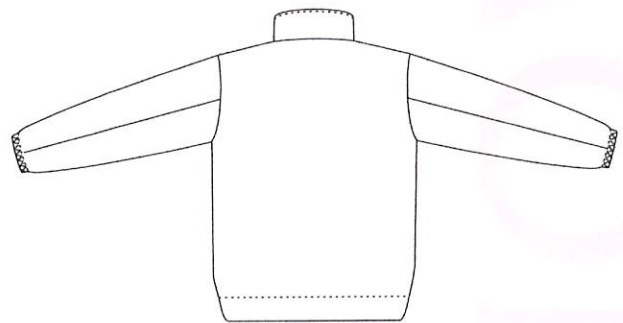
Jacket with hood (Dávid-MR-bk-ev-23-01/4):



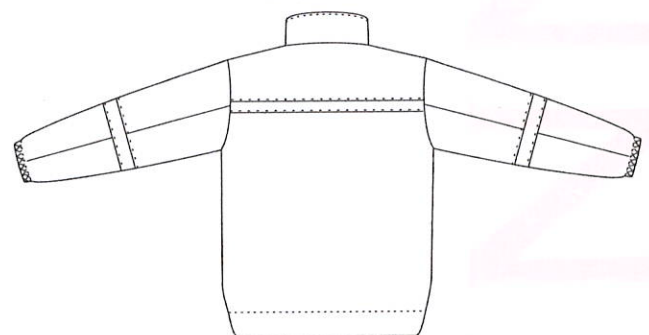
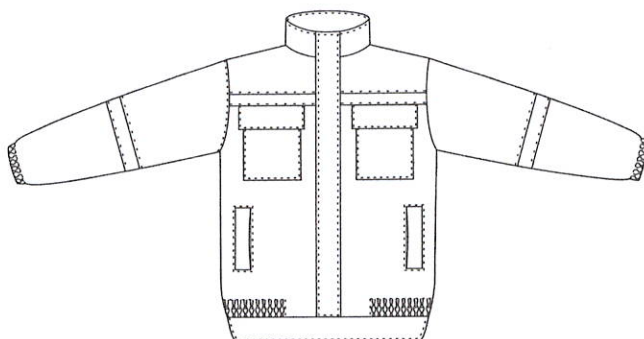
Jacket with hood and reflective strip (Dávid-MR-bk-ev-fv-23-02/4):



Jacket with extended back (Dávid-MR-bk-ev-23-01/5):












Jacket with extended back and reflective strip (Dávid-MR-bk-ev-fv-23-02/5):

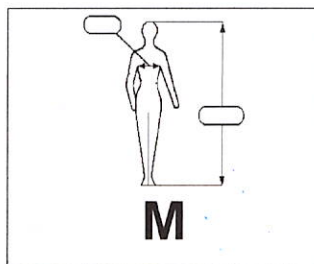


Marking of the protecting equipment:

Label:

<p>SIRIUS PRODUKT Ltd. HU-1044 Budapest, Szilaspatak sor 42/b. 2. em. 13.</p> <p>Antistatic, heat and flame resistant protective clothing against liquid chemicals, rain and thermal risks of electric arc</p> <p>Identifiers: Dávid-MR-bk-ev-23-01/1 jacket Dávid-MR-bk-ev-23-01/2 jacket with removable sleeves Dávid-MR-bk-ev-23-01/3 jacket with elastic band in the waist Dávid-MR-bk-ev-23-01/4 jacket with hood Dávid-MR-bk-ev-23-01/5 jacket with extended back Dávid-MR-bk-ev-fv-23-02/1 jacket with retroreflective strip Dávid-MR-bk-ev-fv-23-02/2 jacket with removable sleeves and retroreflective strip Dávid-MR-bk-ev-fv-23-02/3 jacket with elastic band in waist and retroreflective strip Dávid-MR-bk-ev-fv-23-02/4 jacket with hood and retroreflective strip Dávid-MR-bk-ev-fv-23-02/5 jacket with extended back and retroreflective strip Dávid-MR-dn-ev-fv-23-02/M brace trousers with retroreflective strip</p> <p><u>Raw material composition:</u> - outer layer: 35% modakrylic, 25% viscose (Lenzing FR), 25% Pyron, 13% aramide (Twaron), 2% antistatic fibre (carbon) + 100% polyurethane membrane - innermost layer: 100% cotton - inner layer: 100% polyester</p>		
 EN ISO 11612:2015 A1+A2 B1 C1 E2 F1	 EN 1149-5:2018	 EN 343:2019 3 1 x
 EN ISO 11611:2015 A1+A2, Class 1	 EN 13034:2005+A1:2009 Type PB [6]	Protection against electric arc EN 61482-1-2:2014 Class 2
CE1523		 Manufacturing date (year, month):
 max. 50x (reimpregnation regularly) See the Instruction of Use!		
Wear with protective trousers with the same protection or above a proper protective clothing (See the Instruction of Use!)		

Size label:



Main materials used for certified PPE:

Outer layer composition (woven fabric): 35% modakrylic, 25% viscose (Lenzing FR),
25% Pyron, 13% aramid (Twaron),
2% antistatic fibre (carbon)
+ 100% polyurethane membrane

Innermost layer (woven fabric, jacket) composition: 100% cotton

Inner layer (non – woven fabric, jacket) composition: 100% polyester

Budapest, 5 December 2023.



Dr. Lívia Kokas Palicska
CEO