

## 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:

#### **Firefighter protective clothing**

Parts: **jacket and trousers**

Identifiers: - jacket: **Dávid-MR-tbk-24-01**  
 - trousers: **Dávid-MR-tbn-24-02**

### 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:

|                                      |  |                             |
|--------------------------------------|--|-----------------------------|
| <b>MSZ EN ISO 13688:2013</b>         | <i>Protective clothing. General requirements (ISO 13688:2013)</i>  |                             |
| <i>MSZ EN ISO 13688:2013/A1:2022</i> | <i>Protective clothing. General requirements Amendment 1 (ISO 13688:2013/Amd 1:2021)</i>   |                             |
| <b>MSZ EN 469:2020</b>               | <i>Protective clothing for firefighters. Performance requirements for protective clothing for firefighting activities.</i>   |                             |
|                                      | Performance level:   | <b>Level 2 (X2, Y1, Z1)</b> |
| <b>MSZ EN 1149-5:2019</b>            | <i>Protective clothing. Electrostatic properties. Part 5: Material performance and design requirements</i>   |                             |
| <b>MSZ EN 343:2019</b>               | <i>Protective clothing. Protection against rain</i>  |                             |
| Performance levels:                  | Water penetration (WP)   | <b>Class 3</b>              |
|                                      | Water vapour resistance (R <sub>et</sub> ):  | <b>Class 1</b>              |
| <b>MSZ EN 13034:2005+A1:2009</b>     | <i>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)</i> |                             |
|                                      | Type: <b>PB [6]</b>  |                             |

Classification according to MSZ EN 14325:2004:

|  |                            |
|--|----------------------------|
| Liquid repellency (H <sub>2</sub> SO <sub>4</sub> , 30% / NaOH, 10% / o-Xylene / Butan-1-ol):                    | <b>3 / 3 / 2 / 2</b>       |
| Resistance to penetration by liquids (H <sub>2</sub> SO <sub>4</sub> , 30% / NaOH, 10% / o-Xylene / Butan-1-ol): | <b>3 / 3 / 2 / 2</b>       |
| Abrasion resistance: <b>4</b>  | Tear resistance: <b>3</b>  |
| Puncture resistance: <b>2</b>  | Tensile strength: <b>5</b> |
|  | Seam strength: <b>4</b>    |

**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, B3, C2, E2, F3.**

**MSZ EN ISO 13506-1:2018** *Protective clothing against heat and flame. Part 1: Test method for complete garments. Measurement of transferred energy using an instrumented manikin (ISO 13506-1:2017)*

**ISO 13506-2:2017** *Protective clothing against heat and flame  
Part 2: Skin burn injury prediction*

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

**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-394-2023**, date of issue: 15. 01. 2024.)

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 15 January 2029.

Budapest, 16 January 2024

  
Dr. Livia Kokas Palicska  
CEO

## **DESCRIPTION OF THE CERTIFIED PERSONAL PROTECTIVE EQUIPMENT**

**[ANNEX to EU Type-Examination Certificate No. B-394/2023(E)]**

### **Certified personal protective equipment:**

#### ***Firefighter protective clothing***

Parts: ***jacket and trousers***

Identifiers: - jacket: ***Dávid-MR-tbk-24-01***

- trousers: ***Dávid-MR-tbn-24-02***

### **Applicant (manufacturer):**

***SIRIUS PRODUKT Ltd.***

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

### **Description of the protective equipment:**

#### ***Jacket (Dávid-MR-tbk-24-01):***

Straight line protective jacket with lining. The front, the back and the shoulder parts are separately cut. The hightened stand collar provides protection for the neck. A lifeband is sewn into the outer sewing line of the collar.

The left front side is made with a radio pocket closed with a velcro. Under the pocket flap there is another velcro the antenna can be fixed with. On the right front side a velcro for nameplates and a band for a flashlight are sewn.

On the bottom of both sides of the jacket there is a welt pocket with flap closed by a velcro. The flaps are made with a band that helps opening the pocket even with gloves on the users hands. The bottom corners of the flaps are cut. Under the right pocket flap, there is a glove holding metal ring.

The jacket can be closed/opened with a zipper that is covered by a flap in full length of the jacket. The flap can be fixed with a velcro. Two welt pockets are made under the flap next to the zipper from which the upper can be closed/opened with a zipper. On the left side of the jacket a pocket with zipper closure is sewn onto the innermost lining.

The back side is made from 3 separately cut pieces. From the shoulders sewing line to the bottom of the jacket there are two width pleats facing the sides. The pleats are stitched in an oblique line on the waist line (min. 60°)

Sleeves are made with two sewing lines. The elbow part of the back sleeves is strengthened with a special material. A hand protector from knitted material is sewn to the inner side of the sleeves made with a hole for the thumbs. The armhole is made with an additional piece.

Two lines of reflective stripes provide visibility on the bust line on the front and the back, on the bottom of the jacket and on the sleeves. One more stripe can be found on the flap of the opening.

The bottom of the jacket is double-folded.

#### ***Trousers (Dávid-MR-tbn-24-02):***

Straight leg trousers made with hightened back and sides. On the front middle there is a zipper fly with a press button on the waistband. The zipper fly is covered by a flap that can be fixed with a velcro.

The elastic suspenders are fixed together on the backside, the length of them is adjustable. They can be fixed and removed with two press buttons.

On the sides, one welt pocket is made with flap closed by a velcro. The flaps are made with a band that helps opening the pocket even with gloves on the users hands. The knee part is made with cutting lines and strengthened with a special material.

The back is cut in several parts, with an oblique cut below the waistline and a horizontal cut in the middle of the back. The waist part of the back has an elastic band sewn, supplemented with an adjustable strap, with a fixed buckle at the front.

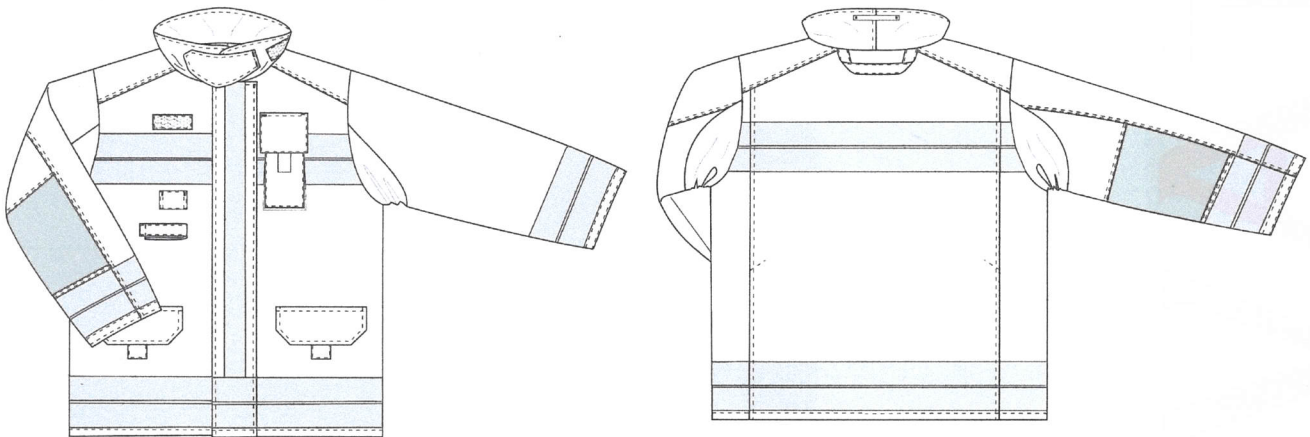
The leg of the trousers has a special design: similar to the sleeve design of the jacket, an insert made of the lining material with a rubberized bottom is sewn into the bottom of the legs to adequately protect the wearer's ankles.

Visibility is ensured by 2 reflective strips around at the bottom of the legs.

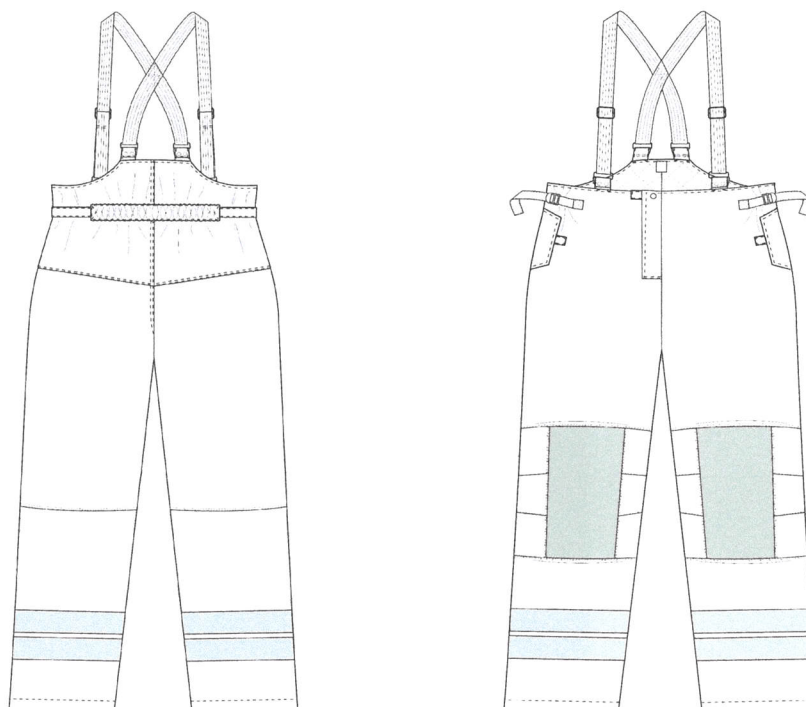
The bottom of the legs is double-folded.

## The drawing of the certified protective equipment:


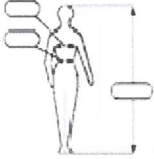









### Jacket (Dávid-MR-tbk-24-01):



### Trousers (Dávid-MR-tbn-24-02):



**Marking of the protecting equipment:**

|   |   |   |  |  |   |
|---|---|---|--|--|---|
|    |   | <p><b>SIRIUS PRODUKT LTD.</b><br/>1044 Budapest, Szilaspaták sor 42/b. 2. em. 13.</p> <p><b>Firefighter protective clothing</b></p> |  | <p><b>CE 1523</b></p>  |   |
| <p>jacket: Dávid-MR-tbk-24-01 and trousers: Dávid-MR-tbn-24-02</p>  |   |   |  |  |   |
| <p><u>Raw material composition:</u></p> <ul style="list-style-type: none"> <li>- outer layer: 35% modakryl, 25% viscose (FR), 25% Pyron, 13% aramide (Twaron), 2% antistatic fibre + 100% polyurethane membrane</li> <li>- inner layer: 100% PES Coating PCM capsules</li> <li>- inner lining: 98% polyester, 2% antistatic fibre</li> <li>- innermost lining: 35% modakryl, 25% viscose (FR), 25% Pyron, 13% aramide, 2% antistatic fibre</li> </ul> |   |   |  |  |  <p><b>M</b></p> |
| <p>X2<br/>Y1<br/>Z1</p>  <p><b>EN 469:2020</b></p>   |  <p><b>EN ISO 11612:2015</b><br/>A1+A2 B3 C2 E2 F3</p> |  <p><b>EN 1149-5:2018</b></p>                      |  <p><b>EN 13034:2005+A1:2009</b><br/>Type PB [6]</p>  |  |   |
| <p>Whole garment test and skin burn injury prediction</p> <p><b>EN ISO 13506-1:2018</b><br/><b>ISO 13506-2:2017</b></p>   |  <p><b>EN ISO 11611:2015</b><br/>A1+A2, Class 1</p>  |  <p><b>EN 343:2019</b></p>                       | <p>3<br/>1<br/>x</p> <p>Reimpregnation is required after every 3. cleaning cycle in order to maintain protection against liquid chemicals! (see in the Instruction of use)</p> |  <p><b>Cat. III</b></p> |   |
|  <p>max. 50x</p>   |   |  <p>Manufacturing year, month:</p>               |  |  |   |
| <p>In order to ensure proper safety, the protective clothing must be constantly checked for visible damage!</p>   |   |   |  |  |   |

\* The content of the label can be divided into several parts.

Budapest, 16 January 2024

  
Dr. Livia Kokas Palicska  
CEO