

CERTIFICATE

INNOVATEXT Textile Engineering and Testing Institute Co.
(Address: H-1103 Budapest, Gyömrői út 86.)

certifies that the product of

SIRIUS PRODUKT Ltd.
(Address: H-1044 Budapest, Szilaspaták sor 42/b. 2. em. 13.)

meets the following requirements.

Certified product:

Woven fabric for protective clothing (flame retardant, antistatic, liquid repellent)

Name: **Dávid MR**

Mass per unit area: 275 g/m²

Raw material composition: 35% modacrylic, 25% viscose (Lenzing FR), 25% Pyron,
13% aramid (Twaron), 1% antistatic fibre (carbon)

Weave: Twill, 2/1

Requirements:

MSZ EN ISO 13688:2013 *Protective clothing. General requirements (ISO 13688:2013)*
[Clause 4.2 and 5.3]

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

[Clause 6.2.1, 6.3.2, 6.3.3, 6.4, 6.5.1, 6.5.2, 7.2, 7.3, 7.5 and 7.6]

Performance levels: **A1+A2, B1, C1, E2, F1.**

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

[Clause 6.2, 6.3, 6.6, 6.7.2, 6.7.3, 6.8, 6.9 and 6.10]

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



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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)*

[Clause 4.1 in addition to clause 4.4, 4.7, 4.9, 4.10, 4.12 and 4.13 of MSZ EN 14325:2004]

Performance levels:

Abrasion resistance:	4	Tear resistance:	3
Tensile strength:	5	Puncture resistance:	2
Liquid repellency:	(H ₂ SO ₄ , 30%) 3	(NaOH, 10%)	3
	(o-Xilen) 1	(Butan-1-ol)	1
	(HCl, 37%) 3	(HNO ₃ , 65%)	2

Penetration by liquids:

(H ₂ SO ₄ , 30%)	3	(NaOH, 10%)	3
(o-Xilen)	2	(Butan-1-ol)	2
(HCl, 37%)	3	(HNO ₃ , 65%)	3

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**

MSZ EN 1149-5:2008 *Protective clothing. Electrostatic properties. Part 5: Material performance and design requirements*
[Clause 4.2.1]

Test results and test conditions are contained Summary report [No.: SR-19(E)] and test reports referred to therein.

Budapest, 25 June 2018

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