

ADDITIONALLY THE THERMAL SPRAYING WORKS
IT IS RECOMMENDED TO USE:



Thermal spraying helmet with aluminized apron.




Gloves with a cuff made of aluminized para-aramid fabrics.

Because overall does not protect users head, face, hands and feet, where there is a risk of exposure to heat and floating dust it is necessary to use additional protection in accordance with other standards (including helmet for thermal spraying including air flow regulation system, gloves, shoes).

x2




Two pockets with Velcro fastened flaps



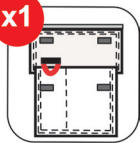
Zipper covered by flap fastened with Velcro tape

x1




Inner pocket for Mobile with two sections


x1



Metal hanger inside pocket



Front side of leg beginning from the crotch line and the bottom back part of the legs reinforced with aluminized fabric



Fastened by zipper covered by flap with flame retardant Velcro tape

ReS-ORION 8Pro

Overall ReS-ORION 8Pro for thermal spraying is made entirely from materials produced in the latest technologies, which guarantee high protection and long service life. Main material of overall is a flame retardant fabric with the para-aramid fibers. External seams are made of para-aramid thread with 100% Kevlar type fibers. Para-aramid fibers have high heat resistance (Kevlar fibers degrade at 500°C), tearing, abrasion and cracking.

SIZING CHART

CHEST	HEIGHT						
	164-170	170-176	176-182	182-188	188-194	194-200	200-206
92-96	50						
96-100		52					
100-104			54				
104-108				56			
108-112					58		
112-116						60	
116-120							62
120-124							64
124-130							66
130-136							68

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ReS-ORION 8Pro

Overall for thermal spraying



EN ISO 11611:2007
Klasa 2 A1



ReS-ORION 8Pro



Overall for thermal spraying

OVERALL PROVIDES PROTECTION

from floating dust caused by the metallization process. It protects user from splashes of small drops of molten metals, short contact with flame, heat radiation. The overall minimizes the possibility of electric shock at random, short-term contact with electric wires under voltage to approximately 100 volts DC.

DESIGNED FOR:

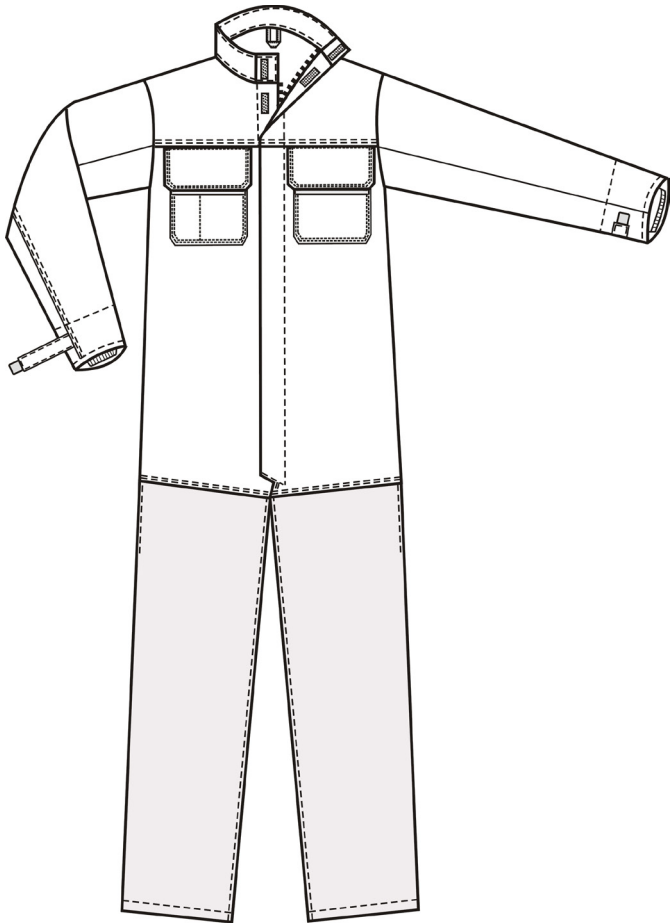
- thermal spray,
- arc spray,
- gas (flame, plasma, detonation) spray.

DESIGNED ALSO FOR USE DURING MANUAL WELDING WORKS SUCH AS

micro plasma welding, gas welding, TIG, MIG, MAG, MMA. It can be worn during the mentioned works in limited spaces.

OVERALL RES-ORION 8PRO HAS BEEN DEVELOPED IN ACCORDANCE WITH THE LATEST STANDARDS AND EXISTING NORMS, SUCH AS:

- Directive 89/686 / EEC
- PN-EN 340: 2006 „Protective Clothing. General Requirements”.
- PN-EN 11611: 2009 „Protective clothing for use in welding and allied processes”.



RESULTS OBTAINED FOR FABRIC

MAIN	ALUMINIZED	LINING
Limited flame spread		
after 5 washes 40°C CODE A1	before washing CODE A1	after 5 washes 40oC CODE A1
Molton metal splashes		
after 5 washes at 60°C > 35 drops	before washing > 15 drops	after 5 washes at 60°C > 40 drops
Resistance to radiant heat		
after 5 washes 40°C RHTI24 = 22 s class 2	before washing RHTI24 >95 s class 2	after 5 washes 60oC RHTI ₂₄ ≥ 7s class 1
The electrical resistance		
after 5 washes 60°C 5,7 x 10 ⁵ Ω	before washing 1,0 x 10 ¹⁰ Ω	after 5 washes 60oC 0,11 x 10 ⁷ Ω



1437

RES-ORION 8PRO THERMAL SPRAYING OVERALL MEETS REQUIRE- MENTS OF PN-EN 11611: 2009 (CLOTHING TYPE: CLASS 2, A1)

PROTECTION PARAMETER	CLASS 1	CLASS 2
Tensile Strength of external fabric	400 N	
Tear strength	20 N	
Push Strength	200 kPa	
Seam strength	225 N	
Fabric dimensions change	≤ 3%	
Flame Spread	A1 or/and A2	
Metal splash	15 drops	25 drops
Heat radiant	RHTI 24 ≥7 s	RHTI 24 ≥16 s
Electrical resistance	>10 ⁵ Ω	

A – symbol for resistance for flame spread (Limited flame spread on the material). Marking the ReS-ORION 8Pro overall with A1 sign means that any material or set of materials and any kind of seam has been tested in accordance with ISO 15025: 2000, using procedure A (A1 letter code in accordance with the existing risk during use).

HEAT RADIANT RHTI 24 ≥16 s parameter to indicate overall resistance to thermal radiation. Thermal radiation is related to the temperature of the object and the size of the radiation through heat waves. Heat transfer rate from the flame (RHTI for 24°C) by the overall to the user's body is ≥16 seconds. The test was carried out by treatment of the sample fabric with a density of heat flux of 20 kW / m².

MAIN FABRIC:



REINFORCING FABRIC: Para-aramid 100% laminated polyester 375 g / m² 495 g / m²

LINING: 100% Cotton 300 g / m²