

protective suit against heat risks:

GoodPRO HR1 , HR4 , HR5 , HR7 , HR8

PPE III. category

Manufacturer: GoodPRO, s.r.o., Dukelská 1247, 334 01 Přeštice, Czech republic www.goodpro.cz

Material:

HR1 Gabriel aluminized aramid/preox, weight 560 g/m²
HR4 Bára aluminized aramid, weight 460 g/m²
HR5 Michael double aluminized aramid/preox, weight 645 g/m²
HR7 Richard aluminized aramid/preox, weight 480 g/m²
HR8 Berta double aluminized aramid/preox, weight 450 g/m²

Description:

The aluminized aramid garment GoodPRO HR provides the wearer with the maximum level of contact and radiant heat protection as well as the protection against direct flame and molten-metal sprays. The garment is suitable mainly for foundries, metallurgical and glass industry, and, in case of accidents and repairs, also in petrochemical and gas industry, in energetics and in workplaces with potential fire hazards where workers manipulate with flammable substances. This type of PPE can be used as an overlay garment, but it is necessary to wear it together with basic layer with certified flame-resistant finishing, such as FR1 Martin or FR5 Katka. The garment GoodPRO HR is available in several versions: a coat with front or back closure, trousers, sleeves, gaiters, apron, hood and helmet cover. The hood and helmet cover must be worn together with the protective helmet. The hood protective visor can be replaced. To achieve the highest level of protection, consult your safety officer.

EN ISO 11612:

When in contact with flame or small burning particles, the fibres become carbonized, but fire does not spread – the garment prevents injuries caused by direct contact with burning clothes. In case of accidental splashes by chemicals and/or flammable substances, the wearer must immediately retreat and take off the garment – make sure chemical substances do not get in contact with skin. Such garment must be subsequently cleaned or discarded. In case of molten-metal sprays the wearer must leave the workplace immediately and take off the garment. In case the garment is in direct contact with skin, the risk of burns cannot be excluded.

Use:

Mainly in foundries, metallurgical and glass industry, petrochemical, engineering, energetics and gas industry. In case of accidents and repairs, also in petrochemical and gas industry, in energetics and in workplaces with potential fire hazards

Caution:

To ensure the greatest possible protection and maintain its protective properties, the personal protective garment GoodPRO HR must be worn in compliance with the manufacturer's instructions, must be always well-fastened (all zippers and Velcro closures) and complete.

Tests:

Material	HR1 Gabriel		HR4 Bára		HR5 Michael		HR7 Richard		HR8 Berta	
	Requirements	Evaluation	Requirements	Evaluation	Requirements	Evaluation	Requirements	Evaluation	Requirements	Evaluation
Heat resistance - 180 °C	ISO 17493	met	ISO 17493	met	ISO 17493	met	ISO 17493	met	ISO 17493	met
Limited flame spread	EN ISO 15025 method A	A1	EN ISO 15025 method A	A1	EN ISO 15025 method A	A1	EN ISO 15025 method A	A1	EN ISO 15025 method A	A1
Convection heat	HTI ₂₄ 4 – 10 s	B1	HTI ₂₄ 4 – 10 s	B1	HTI ₂₄ 4 – 10 s	B1	HTI ₂₄ 4 – 10 s	B1	HTI ₂₄ 4 – 10 s	B1
Radiant heat	RHTI ₂₄ 50 - 95 s	C3	RHTI ₂₄ 50 - 95 s	C3	RHTI ₂₄ > 95 s	C4	RHTI ₂₄ 50 - 95 s	C3	RHTI ₂₄ > 95 s	C4
Spraying with melted aluminium	100 – 200 g	D1	> 350 g	D3	> 350 g	D3	> 350 g	D3	> 350 g	D3
Spraying with melted iron	> 200 g	E3	> 200 g	E3	> 200 g	E3	> 200 g	E3	> 200 g	E3
Contact heat – heat resistance 250 °C	5 – 10 s	F1	5 – 10 s	F1	5 – 10 s	F1	5 – 10 s	F1	5 – 10 s	F1

Maintenance:



Storage:

Store in dry and well-ventilated areas away from direct sunlight and UV rays. Protect from any damage.

Notes:

Keep the garment clean otherwise it can lead to the degradation of its properties. Check after every use. To ensure the greatest possible protection do not make any alternations to the garment and/or its design. In case the aluminium garment is exposed to sweat and/or water it is necessary to dry it well before the further use. The protective properties can deteriorate in case you use a wet aluminium garment under extreme heat conditions- it can cause the damage of the aluminium layer. The garment provides the required level of protection only in its original version, i.e. without any unprofessional or incorrect manipulation. In case of any vast damage, such as punctures, ripped seams, burns, cuts or abrasions which can lead to the degradation of the protective properties, the garment must not be used. Such garment must be discarded or repaired by the manufacturer. The garment keeps its protective features only in the environment with standard volume of oxygen. To maintain the required level of protection, every two-part suits must be worn complete. Manufacturer does not garrant nor shall manufacturer be liable, or in any way responsible, for damages to a product caused by abuse (including, but not limited to, improper use, lack of reasonable care and maintenance and/or any alteration). In case of any questions, please contact the manufacturer.

GoodPRO HR – hood visors:

- transparent polycarbonate – workplaces with the maximum permanent heat of 120 °C
- clear laminated glass – workplaces with the maximum heat up to 500 °C
- gold coated reflective laminated glass – workplaces with the maximum heat up to 1000 °C

You will find a Declaration of Conformity at www.goodpro.cz

The conformity assessment of the suit HR1-HR8 carried out by: Notified Body NB 1023, Institute for Testing and Certification, a.s., Zlín, Czech republic.