

**CLOTHING TO PROTECT AGAINST HEAT AND FLAME - INSTRUCTIONS**

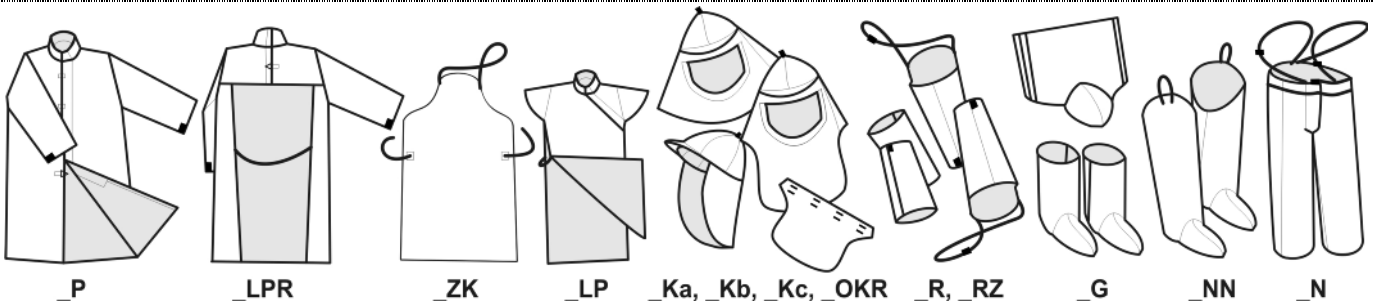
**SHORT DESCRIPTION**

The garment is designed, manufactured and delivered as a system of individual parts - components that are used either separately or in combination. The components of the garment are designed and manufactured to provide required protection with maintaining sufficient comfort and mobility. Single-layer design uses closure that allows easy opening and quick taking off in case of emergency.

**Parts of clothing / components: coat (P), light surgeon coat with free back (LPR), light coat - poncho (LP), apron (ZK), sleeves (R, RZ), trousers (N), trouser covers (NN), gaiters (G), hoods (Ka, Kb, Kc) and nape-shields (OKR).**

The garment is made from highest-quality fabrics with European origin. These fabrics are specially designed to meet the requirements of **EN ISO 11612**. Each part of clothing is labelled with a textile label indicating the manufacturer, pictogram according to **EN ISO 11612**, certification mark, part type designation, production date, size designation (EN 13402-3) and maintenance pictogram.

**HEAT AND FIRE PROTECTION CLOTHES, (CLOTHING COMPONENTS), LABELLING AND OVERVIEW**



**FIELDS OF APPLICATION AND RISKS AGAINST PROTECTION**

The HR garment and its components combinations are designed to protect against the short-term effects of extreme heat. They are used in workplaces where the practical design of the garment in combination with workwear and the material from which the garment is made provide effective protection against the effects of thermal hazards (flame spread, convection heat, radiation heat, molten metal spraying, contact heat). The focus of protection is on radiant heat and molten metal splashes.

**It is necessary to consult the person responsible for safety at work about the choice of clothing components, manner of their use and this choice must be approved by that person.**

**MAINTENANCE, STORAGE, WASTE DISPOSAL**

The clothing does not require any special safety precautions for maintenance. Coarse dirt should be mechanically removed, for example, with a damp, but not wet cloth. Do not use any solvents or tools, objects or agents that could damage the aluminized surface of clothing - reflective layer. Clothing must not be washed, bleached, ironed, dry-cleaned or tumble-dried. Clothing does not require any special precautions during storage or handling. Storage in dry, ventilated areas away from direct sunlight is recommended. Due to the harmlessness of all used materials, damaged and discarded garments can be disposed in a standard way.

**SAFETY PRECAUTION & PRODUCT AGING**

**The garment is fully functional only dry, in its original design, i.e. without unprofessional interventions and modifications. The integrity of the garment, the condition of the reflective layer (aluminized surface), the stitching integrity, the degree of contamination and dampness have to be checked before each use.**

**DIRTY, SEMI MOIST OR GREASY CLOTHING MAY LOSE ORIGINAL FUNCTIONALITY AND REDUCE PROTECTION LEVELS**

**All components of clothing should be immediately discarded from further use in case of any damage or doubt about their quality due to wear and use.**

(e.g.: tearing, ripping, burning out, abrasion of the aluminized surface, other contamination, fat saturation, moisturising ...)

Components of the HR garment and their combination create a complete **PPE SAFEPRO** system against thermal risks and must not be combined with other types of similar PPE.

**HR protective clothing is used as a top layer and only in combination with workwear with reduced flammability**

Data regarding the negative impact of aging on protective and other properties are not yet known. Proper storage of products does not affect its protective and other properties. Despite this, the manufacturer recommends using and consuming the product no later than 3 years after its acquisition. The product belongs to the group of consumer goods and during its use it gradually wears out, which is not related to the aging of the product.

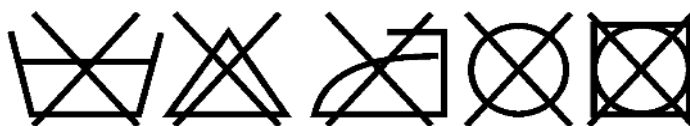
**CAUTION & ATTENTION**

**THE USE OF THE MOIST CLOTH MAY CAUSE PEELING AND CONSEQUENTIAL DAMAGE TO THE INTEGRITY OF THE REFLECTIVE LAYER (ALUMINIZED SURFACE), AND THEREBY IRREVERSIBLY DISCARDING THE GARMENT.**

**REPAIRS OF DAMAGED PARTS, ADJUSTMENTS OR INTERVENTIONS INTO THE CONSTRUCTION ARE PROHIBITED.**

**DO NOT EXPOSE THE SUIT TO EXTREME HEAT AND TO MOISTURE NEEDLESSLY.**

**MAINTENANCE PICTOGRAMS EXPLANATION (EN 23758/Z1)**



No washing No bleaching No ironing No cleaning No drying No drying in a tumble dryer

**Instructions and Declaration:**

**CLOTHING TO PROTECT AGAINST HEAT AND FLAME**

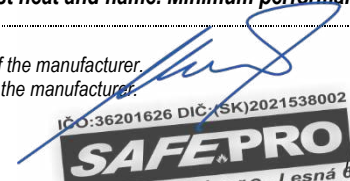


TYPE **SAFEPRO**

PN SFPR NPVZ HR2018.11

Update: 03/2019

HR1

## EC DECLARATION OF CONFORMITY

<b>DECLARATION IS ISSUED BY</b>	<b>SAFEPRO s.r.o, Lesná 6/1604, 040 01 Košice, SLOVAKIA</b> <i>Commercial register: District Court Košice I, Insert No.: 11947/V, Reg.No: 36 201 626 , VAT: SK2021538002</i>
<b>AS A MANUFACTURER OF PRODUCT (SUBJECT OF DECLARATION)</b>	<b>CLOTHING TO PROTECT AGAINST HEAT AND FLAME (ADDITIONAL PROTECTIVE CLOTHING COMPONENTS)</b>
<b>TYPE / COMPONENTS</b>	<b>HR1-P, HR1-LPR, HR1-LP, HR1-ZK, HR1-RZ, HR1-R, HR1-N, HR1-NN, HR1-G, HR1-KA, HR1-KB, HR1-KC, HR1-OKR</b>
<b>BRIEF DESCRIPTION</b>  <b>&amp;</b> <b>FIELD OF APPLICATION AND RISKS AGAINST WHICH PROTECTION</b>	<p>The garment is supplied as a components system that can be used either separately or in combination. Clothing components provide required protection while keeping of a sufficient comfort and mobility to user. They allow quick taking off where necessary – in emergency. Default components of the garment: Coat (HR1_P), "Surgery" coat with free back (HR1_LPR), Light "Poncho" (HR1_LP), "Blacksmith" apron (HR1_ZK), Sleeves (HR1_R, HR4_RZ), Trousers (HR1_N), Legging covers (HR1_NN), Gaiters (HR1_G), Hoods (HR1_Ka, HR1_Kb, HR1_Kc) and Neck shield (HR1_OKR).</p> <p>Garment's components are made from the highest quality textiles of European origin. The fabrics being used are specially designed to meet requirements of current EU technical and hygienic standards. Each garment part is marked with a textile label according to demands of EN ISO 11612 standard: manufacturer, pictogram with protection levels, certification mark, part type designation, production date, size (EN 13402-3) and maintenance pictograms.</p> <p><b>Clothes are designed to protect against short-term effects of extreme heat when working in a hazardous environment (heavy industry with possible thermal risks) and handling hot objects. Garment's components are designed, manufactured and supplied as an effective protection against all thermal risks with an emphasis on protection against radiant heat and molten metal splashes. Design provides the best possible protection as well as the highest possible comfort of use and freedom of movement. It is necessary to consult the person responsible for safety at work about the choice of clothing components, manner of their use and this choice must be approved by that person.</b></p>
<b>MANUFACTURER DECLARES THAT:</b>	
<p>These products are safe in the intended use and measures are taken to ensure that all products placed on the market are in conformity with the technical documentation and they are identical to the personal protective equipment which is the object of</p> <p style="text-align: center;"><i>Final Test Reports no. 069/17 which serve as a basis for issuing certificates of types no.: 00069/111/1/2017 dated July 28, 2017.</i></p>	
<b>NOTIFIED BODY</b>	<b>Notified body no. 2369</b> <b>VIPO, a.s., Gen. Svobodu 1069/4, 958 01 Partizánske, SLOVAKIA</b>
<p style="text-align: center;"><i>This certificate confirms the compliance of that type of product characteristics with the technical requirements specified by the harmonized European standards</i></p> <p style="text-align: center;"><b>EN ISO 13688:2013 Protective clothing. General requirements.</b></p> <p style="text-align: center;"><b>EN ISO 11612:2015 (A1 B1 C3 D3 E3 F1) Protective clothing. Clothing to protect against heat and flame. Minimum performance requirements.</b></p>	
<b>In Košice, on</b>  <b>31/03/19</b>	<p><i>This declaration of conformity is issued under the sole responsibility of the manufacturer. All related documents, including technical documentation, are kept by the manufacturer. This product is CE marked.</i></p> <div style="text-align: right;">   <b>SAFEPRO</b>  <small>SAFEPRO spol. s r.o., Lesná 6/1604, 04001 Košice, SLOVAK REPUBLIC</small>  <b>Ing. Ján Urbančík, Ph.D.</b>  <i>executive manager</i> </div>
<b>EN ISO 11612</b>	<b>Explanation of pictograms performance levels EN ISO 11612</b>
 <b>A1 B1 C3 D3 E3 F1</b> Heat protection EN ISO 11612	<b>A1</b> <b>Limited flame spread, ISO 15025</b> (Method of test for limited flame spread) <i>no flaming to the top or edge, no hole formation, no molten debris, after flame time max 2 sec, afterglow max. 2 sec..</i>
	<b>B1</b> <b>Convective heat, ISO 9151 – Determination of heat transmission on exposure to flame.</b>
	<b>C3</b> <b>Radiant heat, ISO 6942 – Evaluation of materials and material assemblies when exposed to a source of radiant heat.</b>
	<b>D3</b> <b>Molten aluminium splash, ISO 9185 – Assessment of resistance of materials to molten metal splash, liquid aluminium.</b>
	<b>E3</b> <b>Molten iron splash, ISO 9185 – Assessment of resistance of materials to molten metal splash, liquid iron.</b>
	<b>F1</b> <b>Contact heat, ISO 12127 - Determination of contact heat transmission through clothing or constituent materials.</b>
 <b>2369</b>	<p><b>EC CONFORMITY MARK - VIPO, a.s., ul. gen. Svobodu 1069/4, 95801 Partizánske, SK, Notified Body 2369</b></p> <p>The material used to manufacture the garment was tested for flammability, heat convection heat transfer (flame effect), radiant heat transmission, molten aluminium spray resistance, molten iron spray resistance, and contact heat transmission in accordance with EN ISO 11612 Tests have shown that it meets the requirements for the declared purpose of use.</p>

<b>Instructions and Declaration:</b>			<b>Page / Total pages</b>
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		<b>TYPE</b>	<b>SAFEPRO</b>
		<b>HR1</b>	