

TECHNICAL DATA SHEET

Naming: ALUMINIZED HEAT-REFLECTIVE FLAMEPROOF GARMENT, NORMAL FIRE ENTRY

Code: PN

Standard: EN 1486:2007

Protection pictogram:



Description: The jacket is front closed with five metal carabiner hooks while the back is constructed from one piece. The trousers' back is extended upwards to ensure the overlap between the jacket and the trousers, with adjustable suspenders. The over boots are designed to be worn under the lower edge of the trousers. The hood with the collar extended to cover the shoulders includes a gold coated multilayer visor and has attached a helmet equipped with a chin fastening strap. The gloves cover the cuffs.

Materials: the garment is made from an outer shell aluminized FR viscose fabric, a PREOX insulating layer and antistatic FR cotton lining.

Sizes: M, L, XL

Protection: provides protection against intense radiant heat, convection heat, contact heat and flame contact.

Usage domain: the heat reflective aluminized garment is a type III PPE, intended to be used for special fire fighting operations or saving people from fire in conditions where high levels of risk are present.

Performance levels:

According to **EN 1486:2007**

- radiation heat resistance $RHT_{24} \geq 120s$
- convection heat resistance $HTI_{24} \geq 21s$
- tear strength over 2.5N in warp and weft
- tensile strength in warp and weft: $\geq 600N$ for outer material, $\geq 350N$ for lining
- contact heat resistance $\geq 15s$ at a temperature of $300^{\circ}C$
- resistance after exposure at a temperature of $255^{\circ}C$ - does not burn, does not melt, does not shrink with more than 5%
- resistance to flame propagation after surface ignition attempt
- stitching resistance: $\geq 300N$ for outer material, $\geq 180N$ for inner material
- outer fabric is resistant to damping - degree of damping ≥ 4

The visor is according to **EN 166:2003:**

- spherical power, astigmatic and prismatic refractive – class 1
- resistance to high speed particles - 120m/s – symbol "9"
- infrared transmission and transmission in the visible - 4.4 domain

Packaging: 1 set (jacket, pants, hood, visor, helmet, gloves and overboots)/transport bag
Total weight/set is 9kg.

