



FIRE ASSAY

CONTACT:

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E-mail: fireassay@fireassay.eu – www.fireassay.eu

ALUMINIZED CLOTHING



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Gloves

Aluminised gloves

Palm: Aramid

Dorsal: Aluminized aramid

- Textile is 100 Aratex 100% Para-Aramid specially conceived to protect against splashes of molten metal and against conductive heat. It has a low electrical conductivity coefficient and it is highly resistant to chemicals and cuts.
- Aratex textile consists of double layer of aluminized clothing that offers additional protection in case of tear and wear.
- Silicone is the adhesive that hold the aluminized clothing and the para-aramid together. Silicone avoids the propagation of flames



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and does not produce gases if burned. It also possesses and excellent resistance in case of contact with hot metals.

- The textile is soft, flexible and light providing a great confort.
- PPE Category 3
- More properties of the product:
 - Flame protection level 4
 - Protection against convective Heat : Level 4
 - Protection against radiative Heat: Level 4
 - Large splashes of molten metals: Level 4
 - Protection against contact heat: Level 3

This is a PPE for industrial use in sectors such as foundries, metal industries, pirotecnia, repair of ovens, cement factories



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Hood

Aluminised hood with golden visor

Aratex hood, 100% para-aramid, a fabric specially developed to protect against convective heat, radiant heat and metal splashes. The hood has a gold visor filtering infrared radiation, grade 4-3. Several options are available for visor materials, from laminated



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glass to polycarbonate. The hood includes adjustable straps and 5 cm velcro tethering is available.

This Hood offers an excellent protection and versatility thanks to its different configuration options:

- Textile is 100 Aratex 100% Para-Aramid (450 gr/m²) specially conceived to protect against splashes of molten metal and against conductive heat. It has a low electrical conductivity coefficient and it is highly resistant to chemicals and cuts.
- Aratex textile consists of double layer of aluminized clothing that offers additional protection in case of tear and wear.
- Silicone is the adhesive that hold the aluminized clothing and the para-aramid together. Silicone avoids the propagation of flames and does not produce gases if burned. It also possesses an excellent resistance in case of contact with hot metals.
- The textile is soft, flexible and light providing a great comfort.
- The visor is Golden, and filters infrared radiation up to a 4-3 degree.
- There are two options for the visor:
 - Visor made of laminated mirrored glass with a 4mm thickness that protects against heat above 600°C. The mark is 4-3 M1S.
 - Visor made of flexible Polycarbonate 1 mm thick, 100 x 200mm that protect against radiative heat until 600 °C. The mark is 4-3 M2S



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- PPE Category 3
- More properties of the product:
 - Limited propagation of the flames: A1 (The Surface resists flame during 10sec, the post combustion time is up to 2 sec.)
 - Convective Heat : B1 (range of heat flow from 4 to 10 minutes 80 kW/m³)
 - Radiative Heat: C4 (Range of Heat flow > de 95 minutes at 20 kW/m³)
 - Splashes of molten aluminium: D3 (Splashes of more than 350g)
 - Splashes of molten Iron: E3 (Splashes of more than 200g)
 - Contact heat: F2 (time of heat per contact 10-15 seconds at 250°C)

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Trousers

Aratex aluminised pants

Aluminised 100% para-aramid Aratex trousers, specifically for protection against convective heat, metal splashes and contact heat. The trousers can be held up using adjustable straps with an



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easy-open buckle. The waist closure is an interior hook and eye clasp for a more comfortable fit. They cover the entire leg, including partial coverage of the shoe.

These trousers offer an excellent protection against flames, splashes of molten metals and has the following properties:

- Textile is 100 Aratex 100% Para-Aramid (450 gr/m²) specially conceived to protect against splashes of molten metal and against conductive heat. It has a low electrical conductivity coefficient and it is highly resistant to chemicals and cuts.
- Aratex textile consists of double layer of aluminized clothing that offers additional protection in case of tear and wear.
- Silicone is the adhesive that hold the aluminized clothing and the para-aramid together. Silicone avoids the propagation of flames and does not produce gases if burned. It also possesses and excellent resistance in case of contact with hot metals.
- The textile is soft, flexible and light providing a great confort.
- The trousers are hold with regulable straps easy to open and close, and that are comfortable
- They are long enough to cover the whole leg until the boot
- Different sizes available: S/M/L/XL/XXL
- PPE Category 3
- - More properties of the product:



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Jacket

Closed aluminised jacket

The aluminised three-quarter length jacket is 100% para-aramid Aramex material and offers excellent protection against convective heat, splashes and contact heat, in addition to



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offering low electrical conductivity and high chemical and cut resistance. The jacket closes in front using hook and eye clasps and velcro; the neck is lined with leather and the cuffs can be adjusted using an interior elastic. It is a product that offers excellent protection of the upper part of the body.

This Jacket offers an excellent protection against flames, splashes of molten metals and has the following properties:

- Textile is 100 Aratex 100% Para-Aramid (450 gr/m²) specially conceived to protect against splashes of molten metal and against conductive heat. It has a low electrical conductivity coefficient and it is highly resistant to chemicals and cuts.
- Aratex textile consists of double layer of aluminized clothing that offers additional protection in case of tear and wear.
- Silicone is the adhesive that holds the aluminized clothing and the para-aramid together. Silicone avoids the propagation of flames and does not produce gases if burned. It also possesses excellent resistance in case of contact with hot metals.
- The textile is soft, flexible and light providing a great comfort.
- The jacket is closed with velcro and brackets. This facilitates closing and opening the jacket, even with aluminized gloves.
- The inner part of the neck is made of leather. This material is not a conductor, is flame retardant and gives security and comfort.
- The fists can be adjusted with an inner rubber that seals the jacket against the entrance of particles of molten metal.



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Apron

Aluminised apron front protection

Aluminised 100% para-aramid Aratex apron, 450 g/m²; Aratex is a special fabric for protection against convective heat, molten metal splashes and contact heat. This apron contains two



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aluminised 100% para-aramid adjustable Aratex straps in the neck and waist for greater comfort; the back, arms and shoulders are left uncovered.

This apron offers an excellent protection against flames, splashes of molten metals and has the following properties:

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- Aratex textile consists of double layer of aluminized clothing that offers additional protection in case of tear and wear.
- Silicone is the adhesive that hold the aluminized clothing and the para-aramid together. Silicone avoids the propagation of flames and does not produce gases if burned. It also possesses and excellent resistance in case of contact with hot metals.
- The textile is soft, flexible and light providing a great confort.
- The apron has two 100 Aratez aluminized straps adjustable to the neck and waist
- The rear part, arms and shoulder are not covered
- PPE Category 3
- - More properties of the product:



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