



ALUMINIZED MOLTEN METAL AND HEAT RESISTANT SAFETY SUITE

Gray Wolf® by RSAFE® is an innovative high performance technical material. It is engineered with a patented process involving application of an aluminized coating on premium grade leather. An additional layer of Dupont Kevlar® provides unbeatable mechanical and thermal resistance.

Aluminized molten metal and heat-resistant safety suits, also known as aluminized suits or foundry suits, are specialized protective garments designed to provide high heat and flame resistance for workers in industries such as foundries, steel mills, and metalworking. These suits offer several properties and advantages that make them suitable for such hazardous environments. Here are some key properties and advantages of aluminized molten metal and heat-resistant safety suits:

Heat resistance: Aluminized suits are specifically engineered to withstand extreme heat and radiant heat sources. They are made from a combination of materials, such as aluminized fabric or aramid fibers, that provide excellent thermal insulation and reflectivity. This enables the suits to protect workers from direct contact with molten metals, hot sparks, radiant heat, and high-temperature environments.

Flame resistance: The aluminized layer on the fabric acts as a barrier to flames and prevents the spread of fire. In case of contact with flames or molten metal splashes, the aluminized layer reflects the heat away, minimizing the risk of burns or injuries.

Reflectivity: The aluminized layer on the outer surface of the suit reflects radiant heat, which helps to keep the wearer cooler. This reduces the heat stress experienced by workers and allows them to work for extended periods in hot environments.

Durability: Aluminized suits are designed to withstand harsh conditions and repetitive use. The materials used in their construction are resistant to wear, tear, and abrasion, ensuring the longevity of the suit and providing reliable protection over time.

Molten metal splash protection: Aluminized suits are particularly effective in protecting against molten metal splashes, which can cause severe burns and injuries. The aluminized fabric provides a strong barrier that prevents molten metal from penetrating the suit, thus minimizing the risk of contact and subsequent harm to the wearer.

Comfort and flexibility: Despite their robust protective properties, aluminized suits are designed to offer comfort and flexibility. They are lightweight and provide freedom of movement, allowing workers to perform their tasks without hindrance. Many suits feature adjustable closures and ergonomic designs to ensure a secure and comfortable fit for various body types.

Flexibility and Freedom of Movement: Despite its protective features, the suit is designed to allow flexibility and freedom of movement. This is crucial in environments where workers need to perform tasks that require agility and dexterity. The front adjustment feature can help tailor the suit's fit to the wearer's body shape, enabling a more comfortable and unrestricted range of motion.

Easy maintenance: Aluminized suits are typically easy to clean and maintain. They can be wiped down or washed according to the manufacturer's instructions, ensuring that they remain in good condition and ready for use.

Overall, aluminized molten metal and heat-resistant safety suits provide excellent protection against heat, flames, and molten metal splashes. They combine durability, comfort, and high-performance properties to ensure the safety and well-being of workers in extreme heat and hazardous work environments.



EN 388:2016 EN 407:2004



4444 E



422X4X

EN ISO 11612



A1+A2
B1 C1 D1 E1 F2

EN ISO 11611



Class 2
A1 + A2
EN12477:2001 + A1:2005
TYPE A

APPLICATIONS

- Steel Mills
- Radiant Barriers
- Smelters & Furnaces
- Metal foundries and forges
- Metal Fabrication and welding
- Industrial and Commercial Ovens
- Glass Manufacturing

*The suits are not recommended for Fire Entry Purpose. The suits are designed to protect the user from high Radiant, Conductive and Convective heat.

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