

Data Sheet: PVC suit (encapsulated)



Fully encapsulated industrial gas suit

Description

Protective encapsulated suit, specially made for use with SE400 positive pressure demand respirator. The SE400 can be fitted with an optional pressurisation hose which maintains a slight positive pressure inside the suit.

Usage

Used to protect the entire body while wearing the SE400 respirator. Protects against particles, aerosols, splashes and gas. Resistant to a wide variety of chemicals. A rugged, durable protective suit, made for tough conditions.

Material

Polyamide fabric coated with PVC on both sides.

Weight of material

509 g/m²

Mechanical resistance (based on prEN 943-1:1995)

Mech. effect	Resistance
Abrasion	6
Heat/blocking stability	2
Flex cracking	6
Tear	2
Burst	3
Puncture	3
Seam strength	5

Chemical resistance (based on prEN 943-1:1995)

Sodium hydroxide 40%: >8 h breakthrough time

Suit construction

- Seams: Sewn with welded on strip on the outside
- SE400: The SE400 fan unit, hose and face piece are worn completely inside the suit. The fan unit is worn on a balanced, convenient back-pack
- SE400 filters: Sealed off from the interior of the suit by two threaded sealing rings
- Gloves: Chemically impermeable gloves are fastened to the rigid sleeve rings with an airtight seal. The gloves are designed to be worn inside regular working gloves or

rubber, leather or other materials

— Booties: Booties are permanently sealed to the suit legs. Booties slip easily into regular outer boots. A special skirt covers the bootleg for further protection.

Visor

Impact and chemical resistant transparent PVC visor. Very wide and deep field of vision. An additional visor overhead makes it possible to look upwards and see objects overhead.

Total inward leakage

One unique feature of the S.E.A. PVC suit is that it can be used with a pressurisation hose which turns the suit into a positive pressure suit. Total inward leakage into the suit if using pressurisation hose is typically 0.1%.