

500 Series Products Specification

ALM 500 Series heat protective suit	
Products Description	Approach suits for protecting people exposed to heat, esp. extreme radiation heat for relatively prolonged periods of time.
Material	16oz./sq.yd. Aluminized BC fiberglass Stain, lining with rubber coated fabric.
Standard Style	
520	Jacket with front snap fastening closures
520BA	Variant of 520 with breathing apparatus pouch
522	Coverall with front zip closure
522BA	Coverall with breathing apparatus pouch
530	Trousers with suspender buttons and snap closures
555	Over-boot with rubber sole and leather reinforced heel, snap closures
510	Hood with integral visor
Sizes	S-XXL

CE Standard	Description	Test Standard No.	Result
EN ISO 11611	Spatter impact	ISO 9150	Class1 and Class2
	Radiation heat transfer	ISO6942 (20KW/m ²)	Class 1 and Class 2
EN ISO 11612	Limited flame spread	ISO15025-A	A1
		ISO15025-B	A2
	Convective heat	ISO9151	B1
	Radiation heat	ISO6942 (20KW/m ²)	C4
	Molten aluminum splash	ISO9185	D3
	Molten iron splash	ISO9185	E3
	Contact heat	ISO 12127	F1

Material Properties			
Test Standard No.	Description	Units	Result
ASTM D3776	Areal weight	Oz./sq. yd.	16
ASTM D1777	Thickness	mm	0.46
ASTM D5034	Breaking strength(Warp/Fill)	N	2447/1780
ASTM D1424	Tear strength(Warp/Fill)	N	CNM/111
ASTM D6413	Flame resistance		

	After flame	Second	1.0
	Char length	cm	1.3

Cleaning and Maintenances

After use, suit should be cleaned and dried before packing. Clean by gently rubbing the aluminized surface with a soft cloth or sponge with water or mild soap. If chemicals or foams have been used, wash the suit thoroughly to prevent damage to the aluminized surface. If greases or oils are on the surface, wash with a mild soap or Stoddard Solvent. Do not use soaps and Stoddard Solvent at 100% concentration. A recommended solution would be one ounce of cleaning compound per gallon of water. Be sure to rinse out the soap or solvent when cleaning is complete.

Dry garment by hanging in a well ventilated area. Do not hang in direct sunlight. Use a fan, if necessary to keep the air around the garment. Dry clean or machine wash is not allowed. Don't use any compounds containing ammonia, chlorine or other oxidizing or abrasive agents when cleaning. Before reassembly and storage always ensure that the suit is completely dry. Not allowed to storage the risk wet or with any chemical contamination.

Small blackened areas can be renewed and repaired with our Touch Up Kit to maintain an efficient reflective surface. If the burned or damaged area is extensive, it should be replaced. Examine for rips tears, make prompt repairs.

Storage

Improper storage may result in permanent damage to the protective suit and increase your risk. Store your protective suit in an area that is:

- Clean, dry and well ventilated, room temperature and out of direct sunlight.
- Away from sharp objects, tools or other equipment that can physically damage suits.
- Away from potential contaminants.
- Equipped with heavy duty hangers to hang the garments after use.

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