

MARK SAFETY APPLIANCES

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GST No: 24AABPZ7907Q1ZW MSME No: UDYAM-GJ-24-0020651

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3 Layer Aluminized Heat Resistant Suit

Lakeland Aluminized garments are made up with Otego (Dickson) 4585 Pre-Oxidize Aramid Aluminized Fabric. with Reflespace technology. The garments are designed for personnel engaged in maintenance, repair, and operational tasks in areas of low ambient and high radiant heat and molten metals splash hazard area. Our aluminized garments are highly demanding in steel & aluminum industries now days.

3 Layer Aluminized Jacket



Design of Jacket:

- Length of the Jacket 34"
- 4" over lapping front closure with Velcro and push buttons. (1st Closure is Velcro and 02nd closure is push button)
- High raise collar with throat guard.
- Stitched with FR and Mechanically strong Kevlar thread

Advantages

- Excellent behavior to molten metal splash
- Good radiant heat resistance
- Outstanding mechanical resistance
- Light weight
- Very supple and comfortable
- Odorless

Outer Laver: Otego 4585 Pre oxidized Para Aramid Aluminized Fabric

2nd Layer Thermal Barrier: Woolen Fabric

Inner Layer: 100% Cotton FR Fabric









Lakeland - 3LAHS



Outer Layer: Otego (Dickson) 4585 Reflespace ® Technology Aluminized Fabric						
Description	4585 Peroxidase Aramid Aluminized Fabric (Carbon/Aramid)					
Coating Face	Reflespace Technology					
Certifications		1612 (Pass A1, B1, C3	, D3, E3	, and F	1)	
Outer Layer: Charac	teristics 8	Certification		1		
Test Method				Metric		
Areal Weight		ISO EN2286-2A 51		515g,	$15g/m^2 \pm 5\%$	
Tear Strength EN ISC	Tear Strength EN ISO 4674-1					
Warp	Warp				8 daN	
Weft				9 daN	J	
Folding EN ISO5981	(1000g)					
Warp				500 L	JN	
Weft				500 L	JN	
Limited flame propa	gation – I	SO 15025-A		A1	ISO EN 11612:2010	
Convective heat/ pro	otective cl	othes – ISO 9151		B1	ISO EN 11612:2010	
Radiant heat/ Protective clothes – ISO 6942				C3	ISO EN 11612:2010	
Molten Alu. splash/ protective cloth – ISO 9185				D3	ISO EN 11612:2010	
Metal Splash/ Protective clothes – ISO 9185				E3	ISO EN 11612:2010	
Contact heat for protective clothes – ISO 12127				F1	ISO EN 11612:2010	
Inner Layer: Characteristics & Certification						
Fabric Weight			330/m ² ±5%			
Fabric Composition (Inherently Flame Retardant)			100% FR Cotton			
Fabric Certification			EN116	EN11612		
Limited flame propagation – ISO 15025-A			A1	1 ISO EN 11612:2010		
Limited flame propagation – ISO 15025-B			A2		ISO EN 11612:2010	
Convective heat/ protective clothes – ISO 9151			B1	ISO EN 11612:20		
Radiant heat/ Protective clothes – ISO 6942			C2		ISO EN 11612:2010	
Metal Splash/ Protective clothes – ISO 9185			E3		ISO EN 11612:2010	
Contact heat for protective clothes – ISO 12127			F1	F1 ISO EN 11612:2010		
Protective Clothing General Requirement EN13688:2013		pH Val	pH Value Pass			
Oeko-Tex					Pass	
, ass						



3 Layer Aluminized Trouser

Lakeland Aluminized garments are made up with Otego (Dickson) 4585 Pre-Oxidize Aramid Aluminized Fabric. with Reflespace technology. The garments are designed for personnel engaged in maintenance, repair, and operational tasks in areas of low ambient and high radiant heat and molten metals splash hazard area. Our aluminized garments are highly demanding in steel & aluminum industries now days.

ALM Pant/Trouser:

- Trouser with waistband adjustment elastic
- Trouser will be supplied with Suspender
- Stitched with FR and Mechanically strong Kevlar thread

Advantages

- Excellent behavior to molten metal splash
- Good radiant heat resistance
- Outstanding mechanical resistance
- Light weight
- Very supple and comfortable
- Odorless















Outer Layer: Otego 4585 Pre oxidized Para Aramid Aluminized Fabric

2nd **Layer Thermal Barrier:** Woolen Fabric

Inner Layer: 100% Cotton FR Fabric



Outer Layer: Otego (Dickson) 4585 Reflespace ® Technology Aluminized Fabric						
Description	4585 Peroxidase Aramid Aluminized Fabric (Carbon/Aramid)					
Coating Face	Reflespace Technology					
Certifications		1612 (Pass A1, B1, C3	, D3, E3	and F	1)	
Outer Layer: Charac	teristics &	1		I		
Test Method				Metric		
Areal Weight ISO EN2286-2A			515g/ m ² ±5%			
Tear Strength EN ISC) 4674-1			T		
Warp				8 daN		
Weft				9 daN	N	
Folding EN ISO5981	(1000g)					
Warp				500 UN		
Weft				500 L	JN	
Limited flame propagation – ISO 15025-A				A1	ISO EN 11612:2010	
Convective heat/ pro	otective cl	othes – ISO 9151		B1	ISO EN 11612:2010	
Radiant heat/ Protect	ctive cloth	es – ISO 6942		C3	ISO EN 11612:2010	
Molten Alu. splash/ protective cloth – ISO 9185				D3	ISO EN 11612:2010	
Metal Splash/ Protective clothes – ISO 9185				E3	ISO EN 11612:2010	
Contact heat for protective clothes – ISO 12127				F1	ISO EN 11612:2010	
Inner Layer: Characteristics & Certification						
Fabric Weight			330/m ² ±5%			
Fabric Composition (Inherently Flame Retardant)		100% FR Cotton				
Fabric Certification			EN11612			
Limited flame propagation – ISO 15025-A			A1	ISO EN 11612:2010		
Limited flame propagation – ISO 15025-B			A2		ISO EN 11612:2010	
Convective heat/ protective clothes – ISO 9151			B1		ISO EN 11612:2010	
Radiant heat/ Protective clothes – ISO 6942			C2		ISO EN 11612:2010	
Metal Splash/ Protective clothes – ISO 9185			E3		ISO EN 11612:2010	
Contact heat for protective clothes – ISO 12127			F1	1 ISO EN 11612:2010		
Protective Clothing's General Requirements			ก่ ไ∖าไ	pH Value Pass		
EN13688:2013			pri vai	u c		
Oeko-Tex					Pass	



3 Layer Aluminized Hood with Gold Reflective Visor

Lakeland Aluminized garments are made up with Otego (Dickson) 4585 Pre-Oxidize Aramid Aluminized Fabric. with Reflespace technology. The garments are designed for personnel engaged in maintenance, repair, and operational tasks in areas of low ambient and high radiant heat and molten metals splash hazard area. Our aluminized garments are highly demanding in steel & aluminum industries now days.



Design of Hood:

- The hood covers up to the chest level for additional protection to neck & Chest.
- Two wing lock provided in both the sides to hold the hood firmly and for stability in its position.
- The Hood is provided with FRP Helmet
- EN166 certified 6"X10" wide panoramic view Gold reflective visor
- The visor is easily replaceable when required.
- Stitched with FR and mechanically strong Kevlar thread

Advantages

- Excellent behavior to molten metal splash
- Good radiant heat resistance
- Outstanding mechanical resistance
- Light weight
- Very supple and comfortable & Odorless

Outer Layer: Otego 4585 Pre oxidized Para Aramid Aluminized Fabric

2nd Layer Thermal Barrier: Woolen Fabric

Inner Layer: 100% Cotton FR Fabric















Outer Layer: Otego (Dickson) 4585 Reflespace ® Technology Aluminized Fabric						
Description	4585 Peroxidase Aramid Aluminized Fabric (Carbon/Aramid)					
Coating Face	Reflespace Technology					
Certifications		1612 (Pass A1, B1, C	3, D3, E3	3, and F	1)	
Outer Layer: Charac	teristics &	& Certification				
Test Method			d		Metric	
Areal Weight		ISO EN2286-2A		515g	515g/ m ² ±5%	
Tear Strength EN ISC	Tear Strength EN ISO 4674-1					
Warp				8 dal	8 daN	
Weft				9 dal	aN	
Folding EN ISO5981	(1000g)					
Warp				500 l	JN	
Weft				500 l	JN	
Limited flame propa	gation – I	SO 15025-A		A1	ISO EN 11612:2010	
Convective heat/ pro	otective cl	lothes – ISO 9151		B1	ISO EN 11612:2010	
Radiant heat/ Protective clothes – ISO 6942				C3	ISO EN 11612:2010	
Molten Alu. splash/ protective cloth – ISO 9185				D3	ISO EN 11612:2010	
Metal Splash/ Protective clothes – ISO 9185				E3	ISO EN 11612:2010	
Contact heat for protective clothes – ISO 12127				F1	ISO EN 11612:2010	
Inner Layer: Characteristics & Certification						
Fabric Weight			330/r	330/m ² ±5%		
Fabric Composition		100%	100% FR Cotton			
Fabric Certification			EN11	111612		
Limited flame propagation – ISO 15025-A			A1	ISO EN 11612:2010		
Limited flame propagation – ISO 15025-B			A2		ISO EN 11612:2010	
Convective heat/ protective clothes – ISO 9151			B1		ISO EN 11612:2010	
Radiant heat/ Protective clothes – ISO 6942			C2		ISO EN 11612:2010	
Metal Splash/ Protective clothes – ISO 9185			E3		ISO EN 11612:2010	
Contact heat for protective clothes – ISO 12127			F1	F1 ISO EN 11612:2010		
Protective Garments General requirements			nH \/s	pH Value Pass		
EN13688		Pilvo				
Oeko-Tex					Pass	



3 Layer Aluminized Hand Gloves

Lakeland Aluminized garments are made up with Otego (Dickson) 4585 Pre-Oxidize Aramid Aluminized Fabric. with Reflespace technology. The garments are designed for personnel engaged in maintenance, repair, and operational tasks in areas of low ambient and high radiant heat and molten metals splash hazard area. Our aluminized garments are highly demanding in steel & aluminum industries now days.

Design of Hand Gloves Cover:

- 14" Length
- Five Fingered Hand Gloves
- Kevlar Palm
- Stitched with FR and mechanically strong Para Aramid Kevlar thread.

Advantages

- Excellent behavior to molten metal splash
- Good radiant heat resistance
- Outstanding mechanical resistance
- Light weight
- Very supple and comfortable & Odorless

LIGHTWEIGHT SUPPLENESS

GIMFURT GOODFRESS

Outer Layer: Otego 4585 Pre oxidized Para Aramid Aluminized Fabric

2nd **Layer Thermal Barrier:** Woolen Fabric

Inner Layer: 100% Cotton FR Fabric

Outer Layer: Otego	uter Layer: Otego (Dickson) 4585 Reflespace ® Technology Aluminized Fabric					
Description	4585 Peroxidase Aramid Aluminized Fabric (Carbon/Aramid)					
Coating Face	Reflespace Technology					
Certifications	EN ISO 11612 (Pass A1, B1, C3, D3, E3, and F1)					
Outer Layer: Characteristics & Certification						
		Test Method	Metric			
Areal Weight		ISO EN2286-2A	515g/ m ² ±5%			
Tear Strength EN ISO 4674-1						

real strength EN 130 4074 1						
Warp	8 daN		I			
Weft		9 daN				
Folding EN ISO5981 (1000g)						
Warp		500 UN				
Weft		500 UN				
Limited flame propagation – ISO 15025-A			ISO EN 11612:2010			
Convective heat/ protective clothes – ISO 9151			ISO EN 11612:2010			
Radiant heat/ Protective clothes – ISO 6942			ISO EN 11612:2010			
Molten Alu. splash/ protective cloth – ISO 9185			ISO EN 11612:2010			
Metal Splash/ Protective clothes – ISO 9185			ISO EN 11612:2010			



Contact heat for protective clothes – ISO 12127

| F1 | ISO EN 11612:2010

contact field for protective diotiles 100 12127	-	100 214 1101212010			
Inner Layer: Characteristics & Certification					
Fabric Weight	330/m ² ±5%				
Fabric Composition	100% FR Cotton				
Fabric Certification	EN11612	EN11612			
Limited flame propagation – ISO 15025-A	A1		ISO EN 11612:2010		
Limited flame propagation – ISO 15025-B	A2		ISO EN 11612:2010		
Convective heat/ protective clothes – ISO 9151	B1		ISO EN 11612:2010		
Radiant heat/ Protective clothes – ISO 6942	C2		ISO EN 11612:2010		
Metal Splash/ Protective clothes – ISO 9185	E3		ISO EN 11612:2010		
Contact heat for protective clothes – ISO 12127	F1		ISO EN 11612:2010		
Protective Clothing General Requirement	pH Value		Pass		
EN13688:2013	ph value		F 033		
Oeko-Tex			Pass		