

HIGH HEAT PROTECTION

VERSION 3





DELIVERY FROM MF SAFETY IS ALWAYS FAST, AND SOMETIMES SAME DAY IF REQUIRED. THE PRODUCTS ARE GOOD QUALITY, AND STOCK IS ALWAYS HELD. MF SAFETY HAVE CONTINUOUS DEVELOPMENT AND GROWTH WHICH IS POSITIVE FOR THE INDUSTRY.

RATING 10/10 FOR SERVICE AND PRODUCTS.

EHS MANAGER | STEEL FOUNDRY



Front Cover Feature:

Aluminised Clothing	see pages 12-16
Helmets	see pages 39-40
Visors	see pages 41-44

Back Cover Feature:

Melt Master Molten Metal Jacket HH-001	see page 7
Melt Master Molten Metal Trouser HH-002	see page 7
EDC Aluminised Gold Visor HT-102	see page 44
UHL Metal Universal Visor Carrier HT-001	see page 42
EDC Aluminised Helmet Cover HT-056	see page 44

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VERSION 3

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05

PRODUCT SYMBOLS



Men's Fit



Women's Fit



MF Feature



Flame
Resistant



Waterproof



Eco-friendly



Lightweight



Made with
Recycled Bottles



Anti-fog



Temperature
Resistant



Slim Fit



Stretch



Anti-scratch



Touchscreen
Compatible

WHO WE ARE

MF SAFETY & WORKWEAR
ARE A FAMILY OWNED AND
RUN COMPANY SUPPLYING
THE UK WITH PPE AND
WORKWEAR SINCE 1991.



IT STARTED WITH A SPLASH!

Already supplying foundries with respiratory protection against silica dust, we had an urgent request to provide molten metal (E3, D3) protective clothing after a splash incident.

Realising that there was a lack of suppliers specialising in servicing the high heat industries – and even fewer offering next day delivery to prevent long lead times halting production – we set out to improve this. Since then, we've continued developing our range with support from leading European manufacturers to offer the full package of head-to-toe protection.

We now stock the full range of contact heat, radiant heat, and molten metal splash protection and supply across the UK's industry to all areas of manufacturing and processing which require protection against thermal hazards.

It doesn't stop at the products though! As a BSIF Registered Safety Supplier we're currently providing information and guidance to help companies like you protect your staff with a service that can be trusted.





Aluminised Clothing See pages 12-16

EN ISO 11611



This specifies the minimum safety requirements of clothing when welding. There are classes 1 and 2, with 2 giving more protection against higher spatter and radiant heat. This also includes points relating to limited flame spread (A1+A2), fabric and seam strength, and limited electrical resistance.

EN ISO 11612

This standardises clothing protection levels against heat and flame. The fabric should also not ignite or melt at 180°C.



- A: Flame spread behaviour

B: Resistance to convective heat

C: Resistance to radiant heat

D: Resistance to molten aluminium splash

E: Resistance to molten iron splash

F: Contact heat resistance
- (A1 – tested on surface, A2 – tested on edge)

(B1: 4s-10s, B2: 10s-20s, B3: 20s+)

(C1: 7s-20s, C2: 20s-50s, C3: 50s-95s, C4: 95s+)

(D1: 100g-200g, D2: 200g-350g, D3: 350g+)

(E1: 60g-120g, E2: 120g-200g, E3: 200g+)

(F1: 5s-10s, F2: 10s-15s, F3: 15s+)

EN 1149-5



This specifies clothing requirements which provide electrostatic dissipation to prevent electrical discharges which may be incendiary in a ATEX zone, typically by a carbon yarn grid.

IEC 61482-2 & IEC 61481-2



This standard investigates the garments ability to protect against the thermal effects of an electric arc. The two test methods determine a rating of either ATPV in cal/cm2 or APC1 or APC2. Typically, the higher the rating the greater the protection.

EN 13034



Clothing with this standard offers limited protection against small quantities of liquid chemicals.

EN ISO 14116

This standard covers protection against heat and flames by means of limited flame spread. Garments are made of a FR material, so in the case of flame contact it will only burn for a limited time, and will stop when the flame is removed.

They will be marked Indexes 1-3, in which 3 is the highest protection.



Workwear & PPE Standards
More information available online
www.mfsafety.co.uk/flipbookstandards

PRODUCT SYMBOLS



Men's Fit



Women's Fit



Flame Resistant



MF Feature



Temperature Resistant



Waterproof



Eco-friendly



Made with Recycled Bottles



Anti-fog



Stretch



Slim Fit



Lightweight



Anti-scratch



Touchscreen Compatible

BIZWELD BIZ1 FR COVERALL

Voted the number one favourite coverall in the welding industry, the BIZ1 gives protection from heat, a comfortable fit, and ample storage space. 330g UPF 40+ rated fabric. 100% cotton. Stud front with flap. 6 pockets. Radio loop. 50 wash cycles.

EN ISO 11612 A1+A2, B1, C1, E2, F1

EN ISO 11611 Class 1 A1+A2

IEC 61482-2 IEC 61482-1-1 Elim 8.3 CAL/CM²

Sizes: S-3XL* Reg/Tall**

Colours: Navy, Orange, Black, Royal, Red

*Sizes available may vary with colour. XS-6XL in Navy

**Tall leg in Navy or Black only



AJ8-001

**BIZWELD BIZ5 IONA FR COVERALL**

The same great coverall as the BIZ1, but also giving visible protection to the wearer through reflective tape. Knee pad pockets. 8 storage pockets. 330g UPF 40+ rated fabric. 100% cotton. Radio loops. Adjustable cuffs. Stud front with flap. 50 Wash cycles.

EN ISO 11612 A1+A2, B1, C1, E2, F1

EN ISO 11611 Class 1 A1+A2

IEC 61482-2 IEC 61482-1-1 Elim 8.3 CAL/CM²

Sizes: S-3XL*

Colours: Navy, Orange, Black, Royal, Red

*Sizes available may vary with colour. XS-5XL in Orange & Navy



AJ8-BIZ5

**HIMALAYAN HR50 FR COVERALL**

NEW

This coverall provides multi-hazard protection, including flame, welding, arc and molten iron splash protection. Triple stitched seams. Side access pockets. Action back. Concealed chest pockets. 50mm hi-vis stripes. Concealed YKK zip. High collar. 2" drop down hem for leg length. Stain resistant liquid repellent finish. 350gsm fabric. 25 wash cycles.

EN ISO 11612 A1+A2, B1, C1, E3, F1

EN ISO 11611 Class 1 A1+A2

IEC 61482-2, IEC 61482-1-1 ELIM 18 CAL/CM²

Sizes: S-5XL

Colours: Navy, Red, Orange



AJ8-HR50



BIZWELD FR JACKET AND TROUSER

Designed for protection and comfort, these garments have 3 pockets, twin stitched seams, and UPF 40+ rated fabric. The jacket is a stud front design with radio loop, while the trouser has a brass zip and part elasticated waist. Max 50 washes.

EN ISO 11612 A1+A2, B1, C1, E2, F1

EN ISO 11611 Class 1 A1+A2

IEC 61482-2 IEC 61482-1-1 Elim 8.3 CAL/CM²

Sizes: S-3XL* (Trousers Reg, Tall)

Colours: Black, Navy, Orange

*Sizes available may vary with colour. XS-5XL in Navy



AJ8-010 Jacket
AJ8-004 Trouser

BIZWELD FR IONA JACKET AND TROUSER

The same great features as the classic style above, with flame resistant reflective tape on the shoulders, sleeves and legs for ultimate visibility. 330g, UPF 40+, 100% cotton. The jacket has a concealed stud front with radio loops, 3 pockets and adjustable cuffs. The trouser has a part elasticated waist for comfort and rule pocket. 50 wash cycles.

EN ISO 11612 A1+A2, B1, C1, E2, F1

EN ISO 11611 Class 1 A1+A2

IEC 61482-2 IEC 61482-1-1 Elim 8.3 CAL/CM²

Sizes: S-3XL

Colours: Navy, Orange



BZ13 Jacket
AJ8-BZ14 Trouser

BIZFLAME FR WORK TWO-TONE JACKET AND TROUSER

NEW

With hi-vis tape and contrast panels, these protect against welding, heat, flame, electrical arcs and E2 molten iron splash protection. Jacket has concealed stud and zip access, Velcro cuffs, radio loop and 4 pockets. Trouser has 6 pockets, two-tier knee pad options, and part-elasticated waist. Cotton/Carbon Fibre 350gsm UPF fabric.

EN ISO 11612 A1+A2, B1, C1, E2, F1

EN ISO 11611 Class 2 A1+A2

IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM², ATPV 9.8 CAL/CM²

Sizes: S-3XL (Navy/Red up to 4XL)

Colours: Navy/Red, Navy/Royal



AJ8-FR55 Jacket
AJ8-FR56 Trouser

NEW**BIZFLAME FR HI-VIS TWO-TONE ARC JACKET AND TROUSER**

Designed for multi-risk protection, including heat, flame, electrical arcs and welding. E3 molten iron splash protection. Jacket has concealed stud and zip access, Velcro cuffs, radio loop and 2 pockets. Trouser has 6 pockets, two-tier knee pad options, and elasticated waist. Cotton/Carbon Fibre 345gsm UPF fabric.

EN ISO 11612 A1+A2, B1, C1, E3, F1

EN ISO 11611 Class 1 A1+A2

IEC 61482-2 IEC 61482-1-1 ELIM 13 CAL/CM², ATPV 14 CAL/CM²

EN ISO 20471 Class 2/3

Sizes: S-3XL

Colours: Navy/Yellow



AJ8-FR61 Jacket

AJ8-FR62 Trouser

AJ8-BIZ7 E3 Navy/Yellow Two-Tone FR Coverall

MELTON WOOL MM1 JACKET AND TROUSER

A traditional woollen jacket, giving protection against contact, convective and radiant heat, as well as molten metal splashes and welding. Strong and flexible fabric. Concealed stud fastening, FR lined pockets. Jacket has stand up collar. Meta-aramid stitching.

EN ISO 11612 A1, B2, C2, D3, E3, F2

EN ISO 11611 Class 2 A1

Sizes: XS-3XL

Colours: Navy



HH-050 Jacket

HH-051 Trouser

FLAME RESISTANT & ARC FLASH PROTECTION

More multi-norm protective clothing and accessories are available, including waterproof options, thermal options, and more.

Contact us for options, or view pages 91-97 in our Catalogue Issue 12.



Scan the QR code or visit mfsafety.co.uk/flipbookcatalogue



MOLTEN METAL JACKET AND TROUSER

INHERENT

Developed for the demanding environment of molten metal, these garments meet the level 3 maximum performance for both D and E on the index (molten aluminium splash and molten iron splash). Features of the jacket include a spread collar, snap button fastening covered by a flap, one inside pocket and 3 outside pockets covered with a flap and sealed by Velcro, and adjustable cuffs. The flaps are wider than the pockets to prevent them being tucked in for safety. The trousers have a fly with snap buttons, and elasticated waistband, and two front pockets.

The 360 gr/m² fabric is comprised of 43% cotton, 30% acrylic, 20% viscose, 6% Para-aramid and 1% Carbon satin.

EN ISO 11612 A1+A2, B1, C1, D3, E3, F1

EN ISO 11611 A1 Class 1

Sizes: S-3XL (Reg Leg 31")

Colours: Navy



HH-008
HH-009

Jacket
Trousers

It is recommended that protective base layers are worn to the relevant standard, and in the case of heavy splash risk or intense radiant heat aluminised clothing should also be considered for increased protection.

MELT MASTER FR MOLTEN METAL JACKET AND TROUSER**INHERENT****Innovation meets style**

A multi-hazard protective solution, this two-tone outfit gives resistance to molten metal spatter as well as being comfortable and robust for everyday use. It's metal free, suitable for ATEX zones, and has reflective tape to improve visibility. Modern and dynamic, get protected with the Melt Master.

The jacket has features including a closed high collar, plastic zip, double flap, adjustable waistband and cuffs, 4 darted pockets closed by wide flaps and press studs to prevent them being tucked in for safety, double stitched reflective tape and a lower cut at the back.

The trouser has similar well-designed features, including elasticated waistband with belt loops, 4 pockets with flaps and fasteners, and a in-built 5cm hem adjustment to fit every leg length. This design is also suited for industrial laundry and wash procedures.

430 gr/m² fabric comprised of 52% Cotton, 37% Modacrylic, 10% Viscose and 1% Antistatic.

EN ISO 11612 A1, B1, C1, D3, E3, F1

EN ISO 11611 Class 2 A1

EN 1149 -5

IEC 61482-2 Class 1

EN 17353 B2

Sizes: S-3XL (Reg Leg 31+2")

Colours: Navy/Orange



HH-001 Jacket
HH-002 Trousers

It is recommended that protective base layers are worn to the relevant standard, and in the case of heavy splash risk or intense radiant heat aluminised clothing should also be considered for increased protection.



1. MOLTEN METAL COVERALL

E3, D3 molten metal protection in a overall for full body coverage.

3. REFRACTORY JACKET & TROUSERS

Protection against convective heat and brief contact heat for refractory bricklaying work.

2. SCARFER'S JACKET & TROUSERS

Molten metal protection with integrated removable aluminised panels for directional protection in one garment.

4. WELDERS BOLERO & APRON

HTR crust leather bolero and apron for welding with open back for breathability.

MOLTEN METAL CAPE HOOD
INHERENT

This flame resistant cape hood has a drawcord adjustment for comfortable fit around the head. E2/E3 molten iron splash protection. 330/360gsm UPF fabric.
EN ISO 11612 A1+A2, B1, C1, E2/E3, F1
EN ISO 11611 Class 1 A1+A2

Sizes: One Size

Colours: Navy



AJ8-BZ12 E2
HH-031 E3

MOLTEN METAL CAP
INHERENT

This cap with a visored peak has a neck cape for shoulder protection, and internal elasticated size adjustment.

EN ISO 11612 A1+A2, B1, C1, D3, E3, F1
EN ISO 11611 Class 1 A1+A2

Sizes: One Size

Colours: Navy



HH-033 Visored Cap

MOLTEN METAL OVERSLEEVES
INHERENT

Pair of oversleeves with elasticated wrists and forearms. 40cm long.

EN ISO 11612 A1+A2, B1, C1, D3, E3, F1
EN ISO 11611 Class 1 A1+A2

Sizes: One Size

Colours: Navy



HH-034

ZINC FR ARC BALACLAVA
INHERENT

200g knit comprised of 60% modacrylic, 38% cotton, 2% anti-static. FR Balaclava with contrast red stitching detail on the centre seam and around the eye.

EN 1149-5
EN 61482-2 ELIM = 5.6 cal/cm²
EN ISO 11612 A1+A2, B1, C1

Sizes: One Size

Colours: Navy



AJ8-023

FR ANTISTATIC LONG SLEEVE
POLO SHIRT

INHERENT

Stylish design with 3 button placket and ribbed collar and cuffs. 200g fabric knit. Inherent Modacrylic/cotton blend. UPF 40+ UV protection.

EN ISO 11612 A1, B1, C1, F1

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 Elim 4.4 CAL/CM²

Sizes: XS-5XL*

Colours: Black, Navy, Grey

*Sizes available may vary with colour



AJ8-011

FR ANTISTATIC LONG SLEEVE
T-SHIRT

INHERENT

High quality construction and materials. Inherent 200g fabric knit Modacrylic/cotton blend. UPF 40+ UV protection.

EN ISO 11612 A1, B1, C1, F1

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 Elim 4.4 CAL/CM²

Sizes: XS-5XL*

Colours: Black, Navy, Grey

*Sizes available may vary with colour



AJ8-012

FR ANTISTATIC SWEATSHIRT

INHERENT

Sweatshirt with ribbed neck, collar and cuffs. Half-moon detail and taped neck for improved fit and comfort. 300g fabric knit. Inherent Modacrylic/cotton blend.

EN ISO 11612 A1, A2, B1, C1

EN 1149-5

EN 61482-2 ELIM = 8.8cal/cm²

Sizes: S-4XL

Colours: Navy



AJ8-013

FR ANTISTATIC LEGGINGS

INHERENT

High quality inherent construction and materials. Elasticated waistband and the ribbed hem cuffs allow comfortable freedom of movement. 200g fabric knit Modacrylic/cotton blend. UPF 40+.

EN ISO 11612 A1, B1, C1, F1

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 Elim 4.4 CAL/CM²

Sizes: S-4XL

Colours: Navy



AJ8-FR14

FR ANTI-STATIC HI VIS LONG SLEEVE POLO SHIRT**INHERENT**

Giving superb protection, the lightweight 220g fabric uses a Modacrylic/Polyester/Cotton blend. Breathable. Inherent FR. Ribbed cuffs. Side vents. Premium FR reflective tape. 40+ UPF UV Protection.

EN ISO 11612 A1, B1, C1, F2 (Yellow F1)
IEC 61482-2 IEC 61482-1-1 ELIM 6 CAL/CM²
(Yellow 4.4CAL/CM²)

EN 1149 -5

EN ISO 20471 Class 3

RIS 3279 TOM Issue 2 (Orange Only)

Sizes: S-3XL

Colours: Orange, Yellow



AJ8-FR76 Orange

AJ8-FR77 Yellow

FR ANTI-STATIC TWO-TONE POLO SHIRT**INHERENT**

A high quality Modafume knit. 210g. Inherent FR qualities. Heat protection. Ribbed cuffs. Concealed button closure. Premium sew on FR reflective tape. 40+ UPF UV Protection.

EN ISO 11612 A1, B1, C1, F1

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 Elim 4.4 CAL/CM²

EN ISO 20471 Class 2

Sizes: S-4XL

Colours: Yellow/Navy



AJ8-FR74

FR HI VIS LONG SLEEVED T-SHIRT**INHERENT**

This comfortable interlock 280g knit fabric is lightweight with permanent inherent protection. Modacrylic/cotton blend. Generous fit. Premium FR reflective tape. 40+ UPF UV Protection.

EN ISO 11612 A1+A2, B1, C1

EN ISO 11611 Class 1 A1

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 Elim 8.2 CAL/CM²

EN ISO 20471 Class 3

Sizes: S-3XL

Colours: Yellow



AJ8-FR96

FR ANTI-STATIC HI VIS SWEATSHIRT**INHERENT**

This inherent FR fabric is a 300g Modacrylic blend. Ribbed cuffs and hem for superior comfort and safety. High cotton content. Premium sew on FR reflective tape. 40+ UPF UV Protection.

EN ISO 11612 A1, B1, C1, F1

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 Elim 9.2 CAL/CM²

EN ISO 20471 Class 3

Sizes: S-3XL

Colours: Yellow



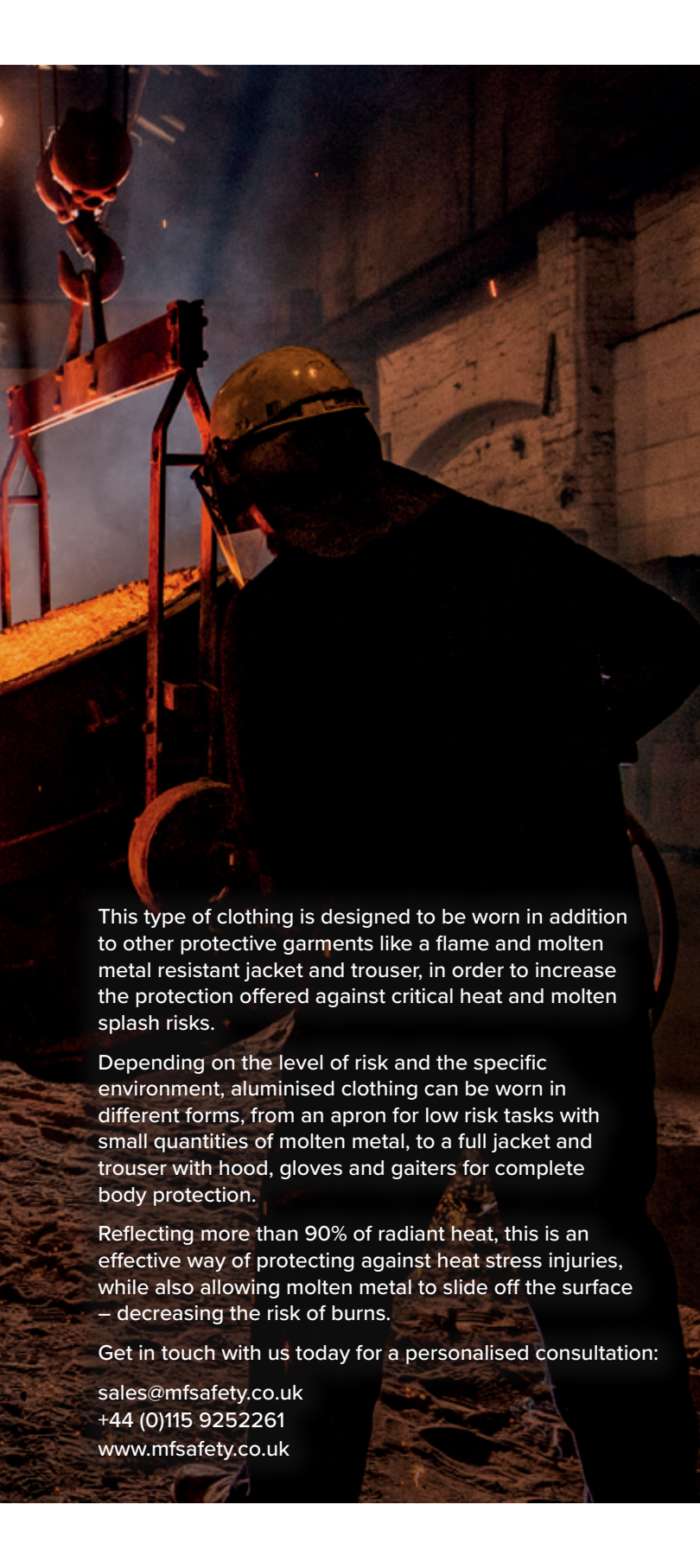
AJ8-FR72



Photo courtesy of Hargreaves Foundry

WHEN SHOULD ALUMINISED CLOTHING BE WORN?

Aluminised clothing is a form of PPE, worn in high risk environments when protection is needed both against high radiant heat and also molten metal splashes.



This type of clothing is designed to be worn in addition to other protective garments like a flame and molten metal resistant jacket and trouser, in order to increase the protection offered against critical heat and molten splash risks.

Depending on the level of risk and the specific environment, aluminised clothing can be worn in different forms, from an apron for low risk tasks with small quantities of molten metal, to a full jacket and trouser with hood, gloves and gaiters for complete body protection.

Reflecting more than 90% of radiant heat, this is an effective way of protecting against heat stress injuries, while also allowing molten metal to slide off the surface – decreasing the risk of burns.

Get in touch with us today for a personalised consultation:

sales@mfsafety.co.uk
+44 (0)115 9252261
www.mfsafety.co.uk

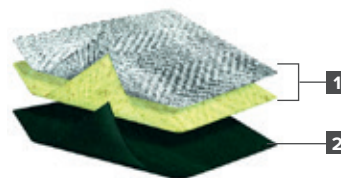
ALUMINISED CLOTHING LAYERS

KA ARAMID



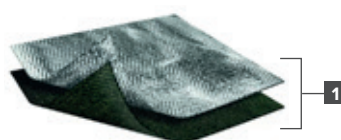
1 Aluminised fabric

KAF LINED ARAMID



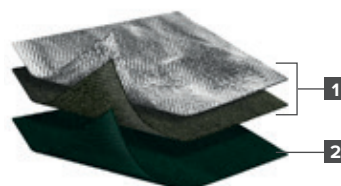
Aluminised fabric
Inner lining

ALUSOFT



1 Alusoft aluminised fabric,
soft and lightweight

LINED ALUSOFT



Alusoft aluminised fabric,
soft and lightweight
Inner lining

WHAT IS THE DIFFERENCE BETWEEN THESE LAYERS?

Alusoft is a very lightweight and supple aluminised fabric, compared with the stiffer more traditional KA aramid fabric. The optional flame resistant cotton lining gives the wearer greater protection.

To see for yourself how the fabrics differ, get in touch with us for a consultation.

ALUMINISED APRON

This apron comes in four sizes, all with adjustable fasteners and a non-metallic buckle at the waist and neck. Suitable for use in the metals, glass and other industries in proximity to heat sources. Fabric made from supple and lightweight alusoft (300gsm) or thicker aramid fibre (450gsm).

Alusoft - EN ISO 11612 A1, B1, C3, D3, E3

Aramid - EN ISO 11612 A1+A2, B1, C3, D3, E2, F1



Alusoft	Aramid		
HH-021	HH-035	60x90cm	M
HH-011	HH-032	70x100cm	L
HH-022	HH-036	75x110cm	XL
HH-023	HH-037	90x120cm	2XL



ALUMINISED APRON WITH SLEEVES

This long apron with sleeves is made of aluminised alusoft fabric with a 300gsm flame retardant cotton back. The back is partially open for air flow. Central closure with Velcro and press-studs externally covered with aluminised carbon aramid fabric. Stand-up collar. All seams are Kevlar sewn.

HH-019 - EN ISO 11612:2015 A1, B1, C3, D3, E3

HH-028 - EN ISO 11612:2015 A1, B1, C3, D3, E3, F1

Sizes: M-2XL



HH-019	Alusoft
HH-028	Lined Alusoft



ALUMINISED COVERALLS & FIRE PROXIMITY SUITS

More aluminised clothing and accessories available.

Contact us for options.



ALUMINISED SHORT JACKET

This short coat comes in different fabric options; from the KA Aramid to the soft and lightweight Alusoft fabric, with an optional inner lining of FR cotton. Protection against radiant heat, molten metal splash, convective heat, and limited flame contact. Flap closure with Velcro and press studs. Stand up collar. Kevlar sewn seams. 300/450gsm.

HH-029 - EN ISO 11612 A1+A2, B1, C3, D3, E2, F1

HH-004 - EN ISO 11612 A1, B1, C3, D3, E3

HH-003 - EN ISO 11612 A1+A2, B1, C3, D3, E3, F1

Sizes: M-2XL



HH-029 Aramid

HH-004 Alusoft

HH-003 Lined Alusoft



ALUMINISED LONG JACKET

This long coat comes in different fabric options; from the KA Aramid to the soft and lightweight Alusoft fabric. Both available with an inner lining of FR cotton. Protection against radiant heat, molten metal splash, convective heat, and limited flame contact. Flap closure with Velcro and press studs. Stand up mandarin collar. Kevlar sewn seams. 300/450gsm.

HH-005 - EN ISO 11612 A1+A2, B1, C3, D3, E3, F2

HH-006 - EN ISO 11612 A1, B1, C3, D3, E3

HH-007 - EN ISO 11612 A1+A2, B1, C3, D3, E3, F1

Sizes: M-2XL



HH-005 Lined Aramid

HH-006 Alusoft

HH-007 Lined Alusoft



ALUMINISED TROUSERS

These trousers come in different fabric options; from the KA Aramid to the soft and lightweight Alusoft fabric, with an optional inner lining of FR cotton. Protection against radiant heat and molten metal splash. Velcro adjustable lower leg opening. Belt loops. High back. Kevlar sewn seams. 300/450gsm.

HH-030 - EN ISO 11612:2015 A1+A2, B1, C3, D3, E2, F1

HH-010 - EN ISO 11612 A1, B1, C3, D3, E3

HH-015 - EN ISO 11612 A1+A2, B1, C3, D3, E3, F1

Sizes: M-2XL



HH-030 Aramid

HH-010 Alusoft

HH-015 Lined Alusoft



ALUMINISED SLEEVES

These sleeves protect the wearers arm from radiant heat and splashes of molten metal. Made from lightweight and flexible Alusoft aluminised fabric 300gsm for excellent comfort. Elastic closure.
EN ISO 11612 A1, B1, C3, D3, E3



HH-016 40cm

ALUMINISED GAITERS WITH VELCRO SIDE SEAM

These gaiters protect the wearers footwear from radiant heat and splashes of molten metal. Available in two fabric styles and with the option of different lengths, they are suited for use in the metals, glass and other industries in proximity to heat sources. Lateral Velcro side seam. Strap under boot.

HH-013 & HH-014 - EN ISO 11611 Class 2 A1+A2. EN ISO 11612 A1+A2, B1, C3, D3, E2, F1

HH-020 - EN ISO 11612 A1, B1, C3, D3, E3



HH-013 30cm Aramid
HH-014 42cm Aramid
HH-020 42cm Alusoft

ALUMINISED ARAMID HOOD WITH GOLD VISOR

Giving protection against multiple hazards, this hood is the ideal choice in high temperature environments. The gold visor shields the wearer from infrared radiation, and the aluminised KA aramid construction protects against molten metal and reflects radiant heat. One size. Comes complete with adjustable head harness browguard support.

EN ISO 11612 A1+A2, B1, C3, D3, E2, F1
EN ISO 11611 Class 2 A1+A2



HH-012
See page 44 for more aluminised visors and hoods.

LEATHER WELDING JACKET & TROUSERS

Premium 1.3mm split cowhide leather construction with aramid thread. Jacket has an internal pocket, adjustable waist, concealed Velcro fastening. Trousers have a button front closure, and wider belt loops.

EN ISO 11611 Class 2 A1

Sizes: S-2XL



SW34

Jacket

SW31

Trouser

LEATHER WELDING SLEEVES

Protects the forearm and elbow. Elasticated ends for a secure fit. Para-aramid thread for strength. Sold in pairs.

EN ISO 11611 Class 2 A1



CE4-SW20

LEATHER WELDING HOOD

Protects the head and neck area. Premium split cowhide leather 1.3mm. Stud front opening.

EN ISO 11611 Class 2 A1

**LEATHER WELDING BOOT COVERS**

Protects the feet and lower leg. Sold in pairs. Hook and loop fastening adjustment.

EN ISO 11611 Class 2 A1



AJ8-SW32

SW33

LEATHER WELDING APRON

Premium quality welding apron made of 1.3mm split cowhide leather and para-aramid stitching. Protects torso and upper legs. Adjustable straps for a secure fit. Quick release buckle. Chest pocket with velcro.
EN ISO 11611 Class 2 A1



SW10

CHROME LEATHER SLEEVES

Tough chrome leather sleeves for general protection. Elasticated both ends. Pair.



CE4-010 18"

CHROME LEATHER APRON

Tough chrome leather apron for general protection. Ties and strap included.



LA-009 36"x24"

NATURAL CRUST SPLIT LEATHER WELDING SLEEVES

Made from a excellent quality supple split leather, these sleeved are designed to offer forearm protection against hot sparks and other mechanical risks. Meeting Class 2 welding protection standards, they are available in two lengths with two different fastening methods.
EN ISO 11611:2015 Class 2 A1



CG6-110 Elastic Closure – 40cm
CG6-111 Buckle Closure – 60cm



HEAD TO TOE PROTECTION

Layer up with protective clothing and PPE to achieve optimal protection in high-risk situations.



EN ISO 20345: 2022

This standard specifies the requirements of safety footwear, including basic level tests and other additional requirements.

The most important changes from the 2011 standards include:

New slip-resistant markings – SRA, SRB & SRC no longer exist. Slip resistance is now considered

mandatory and will not carry a mark, but if an additional test is passed it may be marked SR.

New puncture resistance markings – Footwear may only show one of P, PL, and PS. P is the penetration test for a steel plate insert, and PL and PS are for non-metal inserts and indicate the use of a 4.5mm and 3mm thick nail respectively.

Class I	Footwear made entirely from leather and other materials
Class II	All entirely moulded footwear
SBH	Hybrid footwear that cannot be classed as either I or II
SB	Safety toe cap protection only, tested with 200 J impact and 15 kN compression force
S1	Class 1 + Closed heel area + SB + A + E
S2	As S1 + WPA
S3	(Metal insert type P) as S2 + P + Cleated Outsole
S3L	(Non-metal insert type PL) as S2 + PL + Cleated Outsole
S3S	(Non-metal insert type PS) as S2 + PS + Cleated Outsole
S4	Upper material of all Rubber or Polymeric as SB + Closed heel area + A + E
S5	(Metal insert type P) as S4 + P + Cleated Outsole
S5L	(Non-metal insert type PL) as S4 + PL + Cleated Outsole
S5S	(Non-metal insert type PS) as S4 + PS + Cleated Outsole
S6	As S2 + WR
S7	(Metal insert type P) as S3 + WR
S7L	(Non-metal insert type PL) as S3 + WR
S7S	(Non-metal insert type PS) as S3 + WR
HRO	Heat resistant outsole compound: Shall withstand 300°C for 60 seconds
FO	Resistance to fuel oil
LG	Ladder grip
SC	Scuff cap abrasion

P	(Metal insert type P) Penetration resistant outsole: Lowest penetration value required shall not be less than 1100N
PL	(Non-metal insert type PL) Penetration resistant outsole: Lowest penetration value required shall not be less than 1100N and no separation of the layers shall occur during all tests
PS	(Non-metal insert type PS) Penetration resistant outsole: Average penetration value shall not be less than 1100N
A	Anti-static: Electrical resistance between foot and ground of between 0.1 and 1000 Mega Ohms*
C	Partially conductive footwear. The electrical resistance shall not be greater than 0.1 Mega Ohms between foot and ground*
CI	Insulation against cold: 30 minutes at 17°C, the decrease shall not be more than 10°C
HI	Insulation against heat: 30 minutes at 150°C, the rise shall not be higher than 22°C
E	Energy absorption of the seat region: Energy absorbed to be not less than 20J
WPA	Water penetration and absorption (water resistant and breathable)
AN	Ankle protection: 10N impact means transferred force shall not exceed 10kN and no single value shall exceed 15kN
WR	Water resistant footwear (waterproof membrane)
CR	Cut resistant upper: Cut resistance to exceed 2.5 on the index
M	Metatarsal protection 100J impact energy
SR	SR slip resistance test features glycerine on ceramic tile surface. Replaces SRA SRB SRC
Ø	No test given – for footwear featuring spikes or studs on sole

FOOTWEAR SYMBOLS



Aluminium Toecap



Steel Midsole



Anti-static



Heat Resistant Outsole



Steel Toecap



Non-metal Midsole



Waterproof



Vegan Friendly



Non-metal Toecap



Metatarsal Protection



ESD



100% Non-metallic



Fuel/Oil Resistant Outsole

FLAME RESISTANT ANTI-STATIC SOCKS

This Modafire Work Sock offers the wearer great protection and comfort. The leg of the sock is elasticated for a snug fit. The heel and toe of the sock has extra padding to provide extra comfort. 10 gauge knit. Anti-static.

EN ISO 14116

EN 1149 -3

Sizes: 6-9, 10-13**Colours:** Navy

INHERENT

**AJ8-SK22** Pair

COBRA 4 WELDERS BOOT

Black pigmented split leather upper. Velcro fastened leather flap for welding protection. Steel toe cap and midsole. Arch support. Dual-density PU sole.

EN ISO 20345:2011 S3, SRC. EN ISO 20349-2 WG

Sizes: 3-13

735g

**BK-COBRA4**

Other welding boots available from Goliath and Rock Fall on request

COFRA DARWEN INTERNAL METATARSAL BOOT

Water repellent full grain leather uppers. Composite toecap and midsole. High comfort padded collar and tongue. Flexible internal metatarsal protection. Breathable, anti-bacterial lining. High comfort supportive footbed. Heavy duty PU/Nitrile rubber sole. Scuff cap. Anti-torsion system. Wide fit.

EN ISO 20345:2022 S3S, M, HI, CI, HRO, SC, LG, FO, SR

Sizes: 6-13



BK-26830

ROCKFALL HELIOS METATARSAL FOUNDRY BOOTS

NEW

A 100% non-metallic, with protective toecap, midsole and internal metatarsal guard, Helios is a foundry boot developed with specialist durability materials that are certified to withstand molten splashes as high as 1400°C and to withstand electrical risks of 18kV in accordance with the ASTM F2412-18 test method, including FR leather and R-TEN FR Stitching, IMPACT SHIELD and Activ-Step Comfort Footbed. Made with flame retardant full grain leather. Lined with a polyester mesh. Fibreglass toecap. Kevlar midsole. EN ISO 20349:2017 SB, P, E, WRU, FO, HI, CI, HRO, M, SRC, Fe

Sizes: 6-12



BK-RF8000

NEW

GOLIATH MID BLAST MID LEG FOUNDRY BOOT

The Mid Blast protects to mid-calf length, and offers high protection and comfort with DDR rubber sole technology, quick release Velcro tabs, steel midsole and a steel toe cap. Certified to withstand molten metal splashes as high as 1400°C. With heat resistant outsole and flame retardant sole and stitching. Removable PU footbed. Ideal for foundry or fabrication environments.

EN ISO 20349:2017 S3, HI, HRO, SRC, Fe

Sizes: 5-13



BK-HM2005

PERF MID LENGTH FOUNDRY BOOT

This boot is suitable for use in foundry environments where there is a high risk of it coming into contact with molten metal. Made using only full grain leather, Para Aramid stitching and a textile lining, this product is highly flame resistant. Steel toecap, stainless steel midsole. Anti-static. Shock absorbing heat resistant sole.

EN ISO 20349:2010 S3, HRO, HI, CI, SRC, Fe

Sizes: 5-13



BK-PB26

ROCKFALL VULCAN HIGH LEG FOUNDRY BOOT

With a protective composite toecap and midsole, the Vulcan is a foundry boot developed with specialist durable materials that are certified to withstand molten splashes as high as 1400°C. Features include a FORCE10 solid nitrile rubber sole, FR leather and R-TEN FR stitching and Ortholite climate breathable footbed. Anti-static. Heat resistant sole. Full grain leather uppers. Ladder grip. Oil resistant.

EN ISO 20349-1:2017 A1:2020 S3, HI, CI, HRO, SRC, Fe

Sizes: 5-14



BK-RF7000



GOLIATH BLAST KING HIGH LEG FOUNDRY BOOT

The Blast King offers high protection and comfort with DDR sole technology, quick release Velcro tabs, steel midsole and 200J steel toe cap. Certified to withstand molten metal splashes as high as 1400°C. Rubber sole. Heat resistant outsole. Flame retardant sole and stitching. Removable PU footbed. Ideal for foundry or fabrication environments.

EN ISO 20349:2017 S3, HI, HRO, SRC, Fe

Sizes: 5-13



BK-HM2004



A black leather high-leg foundry boot with quick-release buckles and a rugged sole, set against a background of a foundry with molten metal.

QUICK RELEASE BUCKLES

R-TEN FLAME RESISTANT STITCHING

FULL GRAIN LEATHER UPPERS

FORCE10 NITRILE RUBBER HEAT RESISTANT SOLE

ROCKFALL VULCAN HIGH LEG FOUNDRY BOOT

EN 388



A B C D E F

EN 388:2016 applies to all gloves seeking to protect against mechanical risks. The most notable revision from the 2003 edition is the ISO / TDM cut resistance test now following an alphabetical marking system, with F being the highest cut rating. X in this test denotes 'not tested'.

Marking:	Rating:
A: Abrasion Resistance	0-4
B: Cut Resistance (Coup)	0-5
C: Tear Resistance	0-4
D: Puncture Resistance	0-4
E: Cut Resistance (ISO/TDM)	A-F
F: Impact Resistance	P

EN 407



A B C D E F

EN 407:2004 covers six tests for any glove designed to protect against thermal hazards. A higher rating means higher protection. X in this test denotes 'not tested'.

Marking:	Rating:
A: Burning Behaviour	0-4
B: Contact Heat	0-4*
C: Convective Heat	0-4
D: Radiant Heat	0-4
E: Molten Metal Splash (Small)	0-4
F: Molten Metal Splash (Large)	0-4

*Contact heat ratings, to protect for at least 15 seconds: 1- 100°C, 2- 250°C, 3- 350°C, 4- 500°C.



Workwear & PPE Standards
More information available online
www.mfsafety.co.uk/flipbookstandards

PRODUCT SYMBOLS

	Men's Fit		Women's Fit		Flame Resistant		MF Feature
	Temperature Resistant		Waterproof		Eco-friendly		Made with Recycled Bottles
	Anti-fog		Stretch		Slim Fit		Lightweight
	Anti-scratch		Touchscreen Compatible				

HAND PROTECTION

More gloves, gauntlets and sleeves available, including general handling, waterproof, cut protection and more.

Contact us for options, or view pages 161-193 in our Catalogue Issue 12



Scan the QR code or visit mfsafety.co.uk/flipbookcatalogue



GENERAL HANDLING GLOVES – DRY CONDITIONS

SUPER GREY RIGGER GLOVE

A high quality superior rigger glove made from 1 to 1.2mm thick leather with a heavy red drill backing. Rubberised cuff, leather wing thumb and first finger with an elasticated back and leather knuckle protection. Comfort is further improved by a soft fleece lining on the front of the palm and fingers.

Sizes: One size – 10 (XL)

EN388:2016



3142X

CB1-019 Pack 10



DOUBLE PALM RIGGER GLOVE

A quality rigger glove made from 1 to 1.2mm thick leather with a green second palm which extends up to the thumb and forefinger with a minimum palm thickness of 2.0mm. Pasted cuff, leather wing thumb and first finger with an elasticated back and leather knuckle protection. Comfort is further improved by a soft fleece lining on the front of the palm and fingers.

Sizes: One size – 10 (XL)

EN388:2016



3131X

CB1-020 Pack 10



THERMAL GLOVES – HEAT CONDITIONS

GOLD TIG WELDING GAUNTLET

A premium TIG welding gauntlet made from high quality goat leather. Reinforced with a golden cow split leather cuff to offer superb protection to the wrist and lower arm. High tenacity aramid fibre stitching throughout adds longevity and further peace of mind for the lifetime of the glove. Enables dexterous welding tasks.

Sizes: One size – 10 (XL)

EN388:2016



3121X

CB1-026

EN407:2004



41XX4X

Pack 10



RED WELDERS GAUNTLETS

High quality traditional welders gauntlet. Soft fleecy lining to hand area. Cotton lining to cuff.

Sizes: One size – 10 (XL)

EN388:2016



4143X

CB1-028

EN407:2004



413X4X

Pack 10



PREMIUM WELDERS GAUNTLET

High quality heavy duty leather gauntlet. Reinforced palm. Fully lined for added insulation and comfort.

Sizes: One size – 11 (2XL)

EN388:2016



4234X

CB1-029

EN407:2020



41314X

Pack 10



THERMAL GLOVES – HEAT CONDITIONS**RHINO DELUXE SPLIT LEATHER WELDERS GAUNTLET**

These reinforced welders gauntlets have a unique 4mm foam layer for comfort and heat protection, and a FR fleece lining. The A grade split leather is sewn with Kevlar thread for durability. Cotton fleece lining allows for breathability in high heat environments. Fully coated leather delivers high-performance protection against welding sparks or small splashed of molten metal. The double layered thumb crotch adds extra abrasion resistance.

Sizes: One size – 11 (2XL)

EN388:2016



4134

EN407:2004



414X4X

CG6-008

35cm

Pack 1



NEW

HR LEATHER FETTLERS GLOVES WITH VELCRO CUFF

These split leather welding gloves are fully lined with fire resistant non-woven fabric. A longer length for better protection higher up the forearm, these gloves also have a Velcro closure on cuff for better protection and to close the opening. Premium leather and Kevlar threads for durability.

Sizes: One size – 11 (2XL)

EN388:2016



2243X

EN407:2004



42314X

CG6-107

42cm

Pack 1

**EDC HTR CRUST LEATHER GLOVES**

These heat treated crust leather gloves have a 5 finger design for dexterity, and an optional Velcro cuff for tightening the fit. The treatment helps prevent the leather from shrivelling due to heat exposure. Very supple. Jersey lined. Kevlar stitched.

Sizes: One size – 10 (XL)

EN388:2016



4244X

EN407:2004

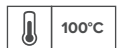


4133X4

E4554-404

40cm Pack 1

CG6-E4554-404-P Velcro Cuff 40cm Pack 1



THERMAL GLOVES – HEAT CONDITIONS

HR LEATHER DOUBLE INSULATED GLOVES
CUT LEVEL 4

These gloves with double thermal insulation are 35cm long and have internal split leather reinforcements on the palm and fingers, and aramid felt on the palm. With lining and cuff made of a fire resistant non-woven fabric, these are both comfortable and able to protect against extreme heat.

Sizes: One size – 10 (XL)



EN388:2016



2443X

EN407:2004



434241

CG6-109

35cm

Pack 1



HR LEATHER INSULATED ALUMINISED
FOUNDRY GLOVES

These gloves give reliable protection in high-temperature environments. Crafted from high-quality materials for superior performance and optimal comfort. Thermal split leather palm for direct heat and metal splash protection. Aluminised coated back to reflect radiant heat. An inner wool lining and extra insulation areas reduces abrasion and ensures a secure fit.

Sizes: One size – 9 (L)

EN388:2016



4243X

EN407:2004



423444

CG6-104

35cm

Pack 1



EDC HTR CRUST LEATHER ALUMINISED GLOVES

These heat treated crust leather gloves have a 5 finger design for dexterity, and an optional Velcro cuff for tightening the fit. The treatment helps prevent the leather from shrivelling due to heat exposure. Aluminised back and thumb. Very supple. Jersey lined. Kevlar stitched.

Sizes: One size – 10 (XL)

EN388:2016



4144X

EN407:2004



4124X4

E4554-804

40cm

Pack 1

CG6-E4554-804-P Velcro Cuff

40cm

Pack 1



THERMAL GLOVES – HEAT CONDITIONS**ALUMINISED SPLIT LEATHER WELDING SHIELD****NEW**

An extra protection welding shield layer with the upper part made of aluminised aramid fabric 450gsm and a natural 1.4mm split leather back. Elastic attachment to the gloves (gloves not included). All stitching in Kevlar thread.

**CG6-WELD** 16x21 cm Pack 1**ROSTAING PROFUSION-1 HR LEATHER ALUMINISED GAUNTLET CUT LEVEL D**

These 500 °C heat resistant glove have a high quality split leather palm and aluminised fabric back. Designed for foundry work, it's resistant to molten metal splashes as well hot handling tasks. Longer length for forearm protection. Elastic wrist, and Velcro cuff for tightening. Waterproof membrane. Cut protection.

Sizes: 9 (L), 10 (XL), 11 (2XL), 12 (3XL)

EN388:2016 EN407:2004



4X43D



444444

CB1-RP001 45cm Pack 1**NEW****ARAMID FIBRE ALUMINISED GLOVES**

These heat resistant 5-finger gloves have a 480gsm aramid palm lined with an inner 220gsm cotton mesh and an outer aluminised back at 450gsm. All seams are Kevlar thread sewn. Ideal for handling hot objects or radiant heat protection. Aluminised thermo-reflective backing is designed to protect against molten metal without burning holes through.

Sizes: One size – 10 (XL)

EN388:2016 EN407:2004



3343X



423X3X

CG6-150 35cm Pack 1

More aluminised aramid glove options available on request

**NEW**

THERMAL GLOVES – HEAT CONDITIONS

POLYCO FOUNDRY HEATBEATER MODIFIED GLASS GLOVE



The well-known foundry heatbeater is made of a modified glass fabric with an aluminised cuff and Kevlar felt lining. It protects wearers against the most intense and extreme heat hazards. It also gives cut protection level F. The aluminised material protects against radiant heat and molten metal splash, and the Kevlar felt lining provides the wearer with exceptional comfort.

Sizes: One size



EN388:2016



3X4XF

EN407:2004



44XX41

CE4-7576

40cm

Pack 1

POLYCO INGOT HEATBEATER MODIFIED GLASS MITTEN



The well-known Ingot heatbeater is a mitten aimed at extreme heat handling applications, made from modified glass, with Kevlar felt and an aluminised glass fabric cuff. It protects wearers against the most intense and extreme heat hazards, including boasting a 500 degree contact heat protection level for 40 seconds. Designed to be easily removable in an emergency. The aluminised material protects against radiant heat and molten metal splash, and the Kevlar felt lining provides the wearer with exceptional comfort.

Sizes: One size



EN388:2016



2X4XX

EN407:2004



44XXXX

CE4-7572

45cm

Pack 1

THERMAL GLOVES – HEAT CONDITIONS**ARAMID SEAM-KNIT GLOVES CUT LEVEL E**

These 5-finger heat-resistant gloves are made of aramid seam knit fibre. Thanks to their contact heat resistance of up to 350° for 24 seconds and up to 500° for 13 seconds, they are ideal for handling hot objects and for work with glassware. Compared to traditional aramid gloves, this is extra soft thanks to its triple-layered aramid seam structure, which also makes it very lightweight. Ergonomically designed for a comfortable and secure fit.

Sizes: One size – 10 (XL)



EN388:2016

EN407:2004



1524E



4342XX

CG6-102

38cm

Pack 1



NEW

ARAMID 5-FINGER GLOVES DOUBLE INSULATED CUT LEVEL E

These heat-resistant gloves are made of aramid seam fibre. Double layered fabric for heat and mechanical protection and to withstand daily wear. At 38cm long, they are ideal for handling hot objects as well as providing protection against cut risks. Ergonomically designed for a comfortable and secure fit.

Sizes: One size – 10 (XL)



EN388:2016

EN407:2004



4X44E



434X4X

CG6-011

38cm

Pack 1

**ARAMID MITTENS TRIPLE INSULATED**

Providing extreme protection against extremely high temperatures, this glove is made of a special aramid fabric with inner reinforcements on the palm and fingers. Giving a contact heat resistance of up to 500°C with multiple layers of insulation for better contact heat protection. Kevlar stitching for increased durability.

Sizes: One size – 10 (XL)

EN388:2016

EN407:2004



3243X



443321

CG6-103

38cm 2-Finger

Pack 1

CG6-012

38cm 3-Finger

Pack 1



THERMAL GLOVES – HEAT CONDITIONS

ABI 800 ARAMID FELT GLOVES CUT LEVEL F

This high performing glove gives excellent protection against contact and radiant heat, open flames and molten metals, as well as cut risks. With a long 45cm length, it provides extra protection to the arms. Made of two types of aramid weave, the palms are reinforced for durability. Certified to 500°C for 15 seconds, the manufacturer advises limited contact for temperatures up to 800°C.

Sizes: One size – 10 (XL)



EN388:2016



2X44F

EN407:2004



444344

AB1-800

45cm

Pack 1



**ROSTAING B7VERD SILICON-MINERAL FIBRE
TRIPLE LINED MITTEN CUT LEVEL F**

This mitten is a cutting-edge glove designed for use in extreme heat environments. The glove is constructed from silicon-coated mineral fibres that provide heat resistance and protection. The triple lining adds to the glove's durability while ensuring wearer comfort. Cut level F. Thumb reinforcement. Certified to 500°C for 15 seconds, the manufacturer advises limited contact for temperatures up to 700°C.

Sizes: One size – 10 (XL)



EN388:2016



3X44F

EN407:2004



4444XX

CG6-118

40cm

Pack 1



NEW

PYROMICA INSULATED MULTI-LAYERED MITTEN

These mittens are made from an insulated pyromica fabric, and is ambidextrous/reversible to allow use of both sides. Internal insulation by a 5mm refractory layer, 2 aluminised layers, a fireproof wool layer and a fireproof treated cotton lining. Certified to 500°C for 15 seconds, the manufacturer advises limited contact for temperatures up to 1000°C.

Sizes: One size – 10 (XL)



EN388:2016



3X4XX

EN407:2004



44X4XX

CG6-112

40cm

Pack 1



THERMAL GLOVES – HEAT CONDITIONS**ALUTHERM GLASS FIBRE MITTENS WITH CHAINMAIL**

These 40cm long Alutherm mittens give protection for extremely high contact heat. Made of a glass fabric mitten covered with fine stainless steel chain mail to dissipate heat. Internal lining in flame-retardant wool cloth for comfort and increased insulation. Ambidextrous for increased usable lifetime. Certified to 350°C for 15 seconds, the manufacturer advises limited contact for temperatures up to 1000°C. Easy removal. Pair.

Sizes: One size – 10 (XL)

EN388:2016



2X4X

EN407:2004



43XXXX

CG6-101	40cm	Single Lined	Pack 1
CG6-114	40cm	Double Lined	Pack 1
CG6-119	40cm	Triple Lined	Pack 1

**ROSTAING HEATRESIST ARAMID TERRYCLOTH GLOVE CUT LEVEL D**

These gloves are made of a para-aramid loop pile palm (terrycloth style) and a split leather back and cuff. Wool/cotton fleece lining. They have an excellent resistance to contact heat, and good protection against convective and radiant heat. Cut resistant level D.

Sizes: One size – 10 (XL)



EN388:2016



2442D

EN407:2004



43XXXX

CG6-115	35cm	Pack 1
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**KERMEL TERRYCLOTH MITTENS**

These pairs of mittens in Kermel terrycloth fabric come either as all terrycloth, or with an optional leather cuff if only lower hand protection is needed. They're lined internally with flame resistant woollen fabric. Kevlar thread stitched. Ambidextrous/reversible.

Sizes: One size – 10 (XL)

EN388:2016



344X

EN407:2004



4444XX

CG6-020	Leather Cuff	40cm	Pack 1
CG6-021	Full Terrycloth	40cm	Pack 1



NEW

THERMAL GLOVES – HEAT CONDITIONS

HOTGRIP TERRY GLOVES

Double thickness heat resistant terry glove with nitrile grip pattern to both sides. Double thickness seamless terrycloth glove, machine knitted from cotton yarn to offer heat protection up to 250°C. An easy, comfortable fit with a nitrile patterned finish. Improved grip and abrasion resistance. Ambidextrous for double sided wear. Available in two lengths, with an extended cuff version for further protection to the forearm.

Sizes: M, L

EN388:2016



1232X

EN407:2004



X2XXXX

CG6-HG28

28cm

Pack 10

CG6-HG34

34cm

Pack 10



TERRYTHERM GAUNTLET

Heavyweight 42oz cotton terry thermal gauntlet. Seamless construction for comfort. Excellent heat protection up to 250°C.

Sizes: One size

EN388:2016



1331X

EN407:2004



X2XXXX



X2X

CG6-001

Pack 6



HEAVYWEIGHT KEVLAR GAUNTLET

Heavyweight ambidextrous heat resistant gauntlet. Quality 7 gauge Kevlar with separate heavy cotton liner for extra insulation. Extended cuff. Cut level 5. Heat protection up to 350°C. 13".

Sizes: One size

EN388:2016



2541C

EN407:2004



43432X

CG6-002

Pack 1





HA-004 VULCAN HELMET see page 39

HT-001 UHL VISOR CARRIER see page 42

HT-005 GREEN/CLEAR VISOR see page 43

SAFETY HELMET STANDARDS

EN 397:2012

Is the standard that covers safety helmets used on the ground in most scenarios.

EN 12492:2012

Is the standard that covers safety helmets used off the ground at height, i.e. when climbing.

EN397 may be accompanied by other markings, explained below:

STANDARD	DETAIL
EN 397:2012	Industrial safety helmets should be marked on the shell.
	Standard number, maker and model identification.
	Size or size range (cm) on both shell and harness.
EN 397:1995	Year and quarter (or month) of manufacture.
	Informative label with specified wording.
	Shell material, e.g. ABS, PC, HDPE etc.
OPTIONAL MARKINGS	DETAIL
-20 C or -30 C	Tested at a low temperature.
+150 C	Tested at a high temperature.
440 V a.c.	Tested for electrical insulation.
LD	Tested for lateral deformation.
MM	Resists molten metal splash.
Please note: The helmet must have attachments points for a chinstrap.	

EYE PROTECTION STANDARDS

EN ISO 16321-1:2022	EN 166:2001	Details	Property
1	1/2/3	Optical Clarity	Optical
3	3	Droplets	Areas Of Use
4	4	Large Dust Particles	
5	5	Gas and Fine Dust Particles	
6	-	Streams of Liquids	
7	-	Radiant Heat	
9	9	Molten Metals and Hot Solids	
CH	-	Chemical Resistance	
K	K	Resistance to Scratching	Optical
N	N	Resistance to Fogging	
-	S	Increased Robustness	Mechanical
C	F	Impact Level C (45m/s)	
D	-	Impact Level D (80m/s)	
E	B	Impact Level E (120m/s)	
-	A	Impact Level A (190m/s)	
HM	-	Impact Level HM (High Mass)	
T	T	Extreme Temperature Impact Test	

CENTURION VULCAN HELMET

This specialised fibreglass safety helmet is designed to protect workers where there is a risk from high levels of radiant heat, such as in the foundry industry. It's made of GRP fibreglass material, and comes as standard with a slip ratchet size adjustment. Comfortable fit with 6-point harness and brushed nylon sweatband. Non-vented.

EN 397:2012 + A1:2012 LD MM 440V a.c. +90°C

Colours: White



HA-004

CENTURION CONCEPT VULCAN HELMET

NEW

This new specialised helmet takes inspiration from the capabilities of the traditional Vulcan, but in the style of the popular Concept. Built to operate in extreme conditions, it's designed to protect workers where there is a risk from high levels of heat up to +150°C, as well as shielding against molten metal exposure. It's made of a blend of Nylon & Glass Fibres, which provides high performance and optimal strength to weight ratio, with the modern efficiencies of injection moulding. Comes as standard with a wheel ratchet size adjustment. Comfortable fit with 6-point harness and vabon sweatband. Non-vented. Optional leather chinstrap.

EN 397:2012 + A1:2012 LD MM -20°C +150°C 1000v 440v a.c

Colours: White, Yellow, Orange



HA-044

Leather chinstrap sold separately, see page 40

CENTURION SANA HELMET MUFFS

The Sana helmet mounted ear defenders offer superior performance and enhanced comfort. Fit all Centurion helmets. Cups are colour coded for easy identification of the protection levels. Easy to adjust arms. EN 352-3



SNR 25

SNR 34

HA-SANA25 SNR 25 dB

HA-SANA34 SNR 34 dB

HELMET COOLING SWEATBAND

NEW

Designed to be attached to most hard hats and bump caps, the cooling sweatband helps to regulate body temperature in extreme heat. Ideal for workers in hot weather conditions for long periods of time. Lightweight. Soak in water to activate. Effective up to 8 hours.



HA-CV07 Pack 2

CENTURION KALIS DRY COOLING HELMET PAD

NEW

The Kalis cooling system is proven to keep the wearer 15°C cooler than the ambient temperature while staying dry - up to 4 times longer than wet cooling products.



HA-S31DC

CENTURION CHINSTRAPS

A range of fully compliant 4 point chinstraps for the Centurion helmets, whether working at height or on the ground.



HA-S30LY 4 Point EN 397 Chinstrap

HA-S30NY 4 Point EN 12492 Chinstrap

HA-054 4 Point EN 397 Leather Chinstrap

CENTURION SWEATBANDS

Replacement sweatbands for Centurion helmets.



HA-S31N Brushed Nylon Sweatband for Reflex/Vulcan

HA-S31D Dry-Tech Sweatband for Concept/Vision Plus/Nexus

HA-S31VK Vabon Sweatband for Concept Vulcan

CENTURION HIGH TEMPERATURE VISOR CARRIER

Specialised high heat face screen carrier made from polyetherimide. Can withstand high radiant and infrared heat. Stops in place when raised.

**HA-S57****CENTURION CLEAR HIGH HEAT VISORS**

Specialised face screens for impact and heat protection. Polycarbonate and triacetate material options for different extreme properties.

Optical class 1. 1mm thick.

HA-015: EN 166:2001 B 1 3 9

HA-S598: EN 166:2001 F 1 3 9 T

**HA-015**

Clear Polycarbonate Visor 210mm

HA-S598

Clear Triacetate Visor 210mm

CENTURION GOLD HIGH HEAT VISOR

Specialised face screen, made of a green polycarbonate visor 1mm x 210mm with a gold coating to reflect infrared and preventing heat transfer to the face. Flexible gold coating resists peeling or cracking.

EN 166:2001 F 1 3 9 T,

EN 171: 2002 4-5

**HA-S760****CENTURION ALUMINISED NECK CAPE**

Complementing the Vulcan high temperature helmet, this aluminised neck cape ensures maximum heat protection from the wearer. Reflects radiant heat. Easy to connect to internal helmet harness.

**HA-S36****CENTURION GREEN VISOR**

Specialised face screen, made of a green acetate visor 1mm x 210mm. Shade Scale 3. Ideal in lower temperature or glare applications.

EN 166:2001 F 1 3,

EN 169:2002 Scale 3

**HA-S593****VISOR MATERIAL WORKING TEMPERATURES**

Cellulose Acetate (CA): At 1.15mm thick it can withstand temperatures up to 90°C

Polycarbonate (PC): At 1-2mm thick it can withstand temperatures up to 120°C

Triacetate (TA): At 1.4mm thick it can withstand temperatures up to 150°C

Polyphenylsulphone (PPSU): At 2mm thick it can withstand temperatures up to 220°C

Notes: A green shaded visor will give UV glare protection, and a gold coated one will reflect about 94% of the radiant heat – further protecting the wearer and extending the visors usable life.

UHL METAL UNIVERSAL VISOR CARRIER

Aluminium visor carrier, for use with the UHL range of visors. Designed for easier use with helmet mounted ear muffs, as the 4-level joint for multi-positioning and raising the visor is offset to raise over the muffs. Fixes onto helmet with a robust steel spring band. Visors lock with twist latch.

EN 166 BT, EN 167, EN 168, EN 171, CE

Fits Vulcan helmet among others.



HT-001

UHL visors use a sealed gold coating to prolong lifespan and reduce cracking.

UHL METAL UNIVERSAL VISOR CARRIER FOR EAR MUFFS

Aluminium visor carrier, for use with the UHL range of visors. Designed for use with helmet mounted ear muffs. Fixes onto helmet with a robust steel spring band. 4 level joint for multi-positioning and raising the visor, offset to raise over the muffs. Visors lock with twist latch.

EN 166 BT, EN 167, EN 168, EN 171, CE

Fits Vulcan helmet among others.



HT-008

UHL visors use a sealed gold coating to prolong lifespan and reduce cracking.

UHL BROWGUARD VISOR CARRIER

Browguard headgear mount for all standard UHL visors. Made of polypropylene. Visors can be lifted up when attached. Adjustable head width and height. Forehead protection.

EN 166 CE



HT-015

UHL VISOR CARRIER

Helmet mounted visor carrier for all standard UHL visors. Made of polycarbonate. Fits onto most helmets with 30mm slots. 4 level joint for multi-positioning and raising the visor. Visors clip into place.

EN 166 BT CE



HT-016

UHL CLEAR VISOR FOR EAR MUFFS

Clear 1mm polycarbonate visor. Excellent optical quality (class 1). Shape designed for use with helmet mounted ear muffs. Good UV protection. 500x250x1mm.

1 BT 9 CE



HT-009

UHL GOLD VISOR FOR EAR MUFFS

Gold on 1mm clear polycarbonate visor. Excellent optical quality (class 1). Shape designed for use with helmet mounted ear muffs. Good UV protection. IR shade 4-4. 500x250x1mm.

4-4 1 BT 9 CE



HT-010

UHL CLEAR VISOR WITH CHIN GUARD

Clear 1mm polycarbonate visor. Excellent optical quality (class 1). Additional protection for chin and neck with bent and riveted splash/debris guard. Good UV protection. 450x220x1mm.
1 BT 9 CE

**HT-013****UHL CLEAR VISOR**

Clear 1mm polycarbonate visor. Excellent optical quality (class 1). Good UV protection. 500x250x1mm.
1 BT 9 CE



HT-004 Standard Eyelets
E9211-402-2 Staggered Eyelets (For Half Visors)

UHL GOLD/CLEAR VISOR

Clear 1mm polycarbonate visor with gold coating on the upper half. Excellent optical quality (class 1). Good UV protection. IR shade 4-4. 500x250x1mm.
4-4 1 BT 9

**HT-002****UHL GREEN/CLEAR VISOR**

Full clear visor united with half green visor, 1mm polycarbonate. Excellent optical quality (class 1). Good UV protection - shade 2-2.5. 500x250x1mm.
2-2,5 1 BT 9

**HT-005****UHL GOLD/CLEAR/GREEN VISOR**

Clear 1mm polycarbonate visor with gold coating on the upper half, united with half green visor. Excellent optical quality (class 1). Good UV protection. IR shade 4-5. 500x250x1mm.
4-5 1 BT 9

**HT-006****UHL GREEN VISOR**

Green 1mm visor. Excellent optical quality (class 1). Good UV protection - shade 2-2.5/5. 500x250x1mm. 1 B CE



HT-011 Shade 2.5 Polycarbonate
HT-019 Shade 5 Cellulose Acetate

UHL GOLD VISOR

Gold on 1mm clear polycarbonate visor. Excellent optical quality (class 1). Good UV protection. IR shade 4-4. 500x250x1mm.
4-4 1 BT 9 CE

**HT-007****UHL HALF GREEN VISOR**

Green 1mm visor. Half size for pairing with clear staggered eyelet visor. Excellent optical quality (class 1). Good UV protection - shade 2-2.5/5. 500x125x1mm. 1 B CE



HT-014 Shade 2.5 Polycarbonate
E9211-7025 Shade 5 Cellulose Acetate

UHL GOLD/GREEN VISOR

Gold on 1mm green polycarbonate visor. Excellent optical quality (class 1). Good UV protection. IR shade 4-5. 500x250x1mm.
4-5 1 BT 9 CE

**HT-003**

ALUMINISED HELMET COVER

To be worn over a helmet (not included), with a one-piece neck guard, this is an ideal layer of protection against radiant heat or splashes of molten metal. Made of 500gsm aluminised para-aramid fabric sewn with aramid thread.

EN ISO 11612 A1, B1, C3, D3, E3, F1



HT-056 Single Size

Complete unit for illustration

EDC UHL ALUMINISED CLEAR VISOR

Clear 1mm polycarbonate visor sewn onto a 500gsm para-aramid aluminised fabric for enhanced lateral and downwards protection. Fit to helmet with a UHL visor carrier. Excellent optical clarity.

EN 166 1 BT 9

EN ISO 11612 A1, B1, C3, D3, E3, F1



HT-402

EDC UHL ALUMINISED GREEN VISOR

Green 1mm cellulose acetate visor sewn onto a 500gsm para-aramid aluminised fabric for enhanced lateral and downwards protection. Fit to helmet with a UHL visor carrier. Excellent optical clarity.

EN 166 1 BT Shade 5

EN ISO 11612 A1, B1, C3, D3, E3, F1



HT-702 Shade 5

EDC UHL ALUMINISED GOLD VISOR

Gold-coated 1mm polycarbonate visor sewn onto a 500gsm para-aramid aluminised fabric for enhanced lateral and downwards protection. Fit to helmet with a UHL visor carrier. Excellent optical clarity.

EN 166 1 BT 9 Shade 4 or 5

EN ISO 11612 A1, B1, C3, D3, E3, F1



HT-102 Shade 4

HT-722 Shade 5

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CleanAIR CA-40G
Safety Helmet with
Basic P3 Power Unit

CleanAIR is a complete system of powered air fed respiratory protection

The system has a belt mounted powered air respirator which filtrates the air taken from the surrounding environment through the particle, gas or combined filters. The purified air is delivered through the breathing hose into a protective mask or hood.

The overpressure inside the system prevents the hazardous substances from entering the breathing zone. This mild overpressure at the same time ensures the wearer's comfort compared to a half-mask, and allows for full shift use.

What are the benefits of CleanAIR?

✓	VERY HIGH COMFORT
✓	NO FACE FIT TESTING
✓	USE WITH FACIAL HAIR
✓	HEAD AND FACE PROTECTION
✓	APPROVED FOR LONGER WEAR TIMES
✓	DESIGNED FOR EVERY TASK AND INDUSTRY

What you will need for a complete set:



Headpiece Hose Power Unit Filters Complete Set



CleanAIR Aluminised CA-40G Foundry
Cover with Dual Flip-Up Gold Visor

Learn more about powered air respiratory protection

View the brochure or catalogue for an overview of the CleanAIR powered respiratory range.

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