Heat Protection

UNIQUE PROTECTION EQUIPMENT
**1 HOOD FULL PROTECTION**
Hood in one piece, for good protection all the way round. To satisfy different demands for heat protection, the hood is available in versions with two different helmets and three different visors. The visor cannot be opened. Comes complete with holder for visor.

Transparent visor and safety helmet (plastic).
**Art. No.** 1010P0 1100
Goldplated visor 3 DIN and safety helmet (plastic).
**Art. No.** 1010P0 1000
Goldplated visor 3 DIN+ and safety helmet (fibreglass).
**Art. No.** 1010P0 1200

**2 NECK AND HELMET PROTECTION**
Protection for neck and helmet. The visor can be opened in four different angles. To satisfy different demands for heat protection, the neck and helmet protection is available in versions with two different helmets and three different visors. Comes complete with holder for visor.

Transparent visor and safety helmet (plastic).
**Art. No.** 1010P0 2100
Goldplated visor 3 DIN and safety helmet (plastic).
**Art. No.** 1010P0 2000
Goldplated visor 3 DIN+ and safety helmet (fibreglass).
**Art. No.** 1010P0 2200

**3 GAITERS**
Delivered as a pair.
**One size.**
**Art. No.** 1053000 1000

**4 APRON**
One size.
**Art. No.** 1023800 1000

**5 FIVE FINGER GLOVE SPECIAL**
Alu/TC. Approx. 75 cm long.
**One size.**
Left. **Art. No.** 1000820 1001
Right. **Art. No.** 1000820 1002

**6 FIVE FINGER GLOVE**
Approx. 30 cm long. Delivered as a pair.
**One size.**
**Art. No.** 1000200 1000

**7 MITTENS**
Curved. Approx. 30 cm long. Delivered as a pair.
**One size.**
**Art. No.** 1000400 1000

**8 ARM PROTECTION**
Approx. 40 cm long. Delivered as a pair.
**One size.**
**Art. No.** 1002000 1000

**9 FRONT COAT**
Foot length.
**Size** S–3XL.
**Art. No. Rear close** 1023000 1000
**Art. No. Front close** 1023050 1000

**10 FRONT COAT**
Knee length.
**Size** S–3XL.
**Art. No. Rear close** 1023400 1000
**Art. No. Front close** 1023450 1000

**11 JACKET**
**Size** S–3XL.
**Art. No. Rear close** 1022000 1000
**Art. No. Front close** 1022100 1000

**12 TROUSERS**
**Size** S–3XL.
**Art. No.** 1030000 1000

**13 WELDING CURTAIN**
Hemmed up, corner protections and eyelets for easy hanging.
**Size** approx 900x900 mm.
**Art. No.** 1062020 1805
**Size** approx 1500x900 mm.
**Art. No.** 1062020 1810

**14 WELDING CUSHION**
Silicone coated surface on both sides. Insulated in two layers.
**Size** approx 450x320 mm.
**Art. No.** 1061020 1815
**Size** approx 1000x450 mm.
**Art. No.** 1061020 1820
Advanced protective equipment for Heat Protection

Ever since we developed our first collection of protective clothing for Heat Protection in 1990, we have consulted end users across the world. New for heat protection is that several products also come in Marlan®, which protects extremely well for molten metal splashes. Today we offer an even broader range of protective equipment with technically advanced features, high level of comfort and high quality.
MOLTEN METAL SPLASH PROTECTION – ALUMINIUM INDUSTRY

The Marlan® coat is manufactured mainly for aluminium industries because of its unique qualities. Melted aluminium does not stick to the surface of the fabric and it is heat and flame resistant according to the classification EN 11612 – A1,B1,C2,D3,E3,F1. Marlan® provides excellent comfort because it is soft and it has great capabilities in absorbing moisture. Marlan® also has good anti-static properties as the material is naturally anti-static. Marlan® offers protection from electric arcs, which can reach temperatures of up to 10,000°C. Metal splashes are produced during an electrical discharge that can cause anodes and cathodes to melt or evaporate.

4 APRON
Same design as Alu, but manufactured in Marlan®
One size.
Art. No. 1123800 1000

8 ARM PROTECTION
Same design as Alu/TC, but manufactured in Marlan®.
Approx. 40 cm long. Delivered as a pair.
One size.
Art. No. 1102000 1000

9 FRONT COAT
Same design as Alu/TC, but manufactured in Marlan®.
Foot length.
Size S–3XL.
Art. No. Rear close 1123000 1000
Art. No. Front close 1123050 1000

10 FRONT COAT
Same design as Alu/TC, but manufactured in Marlan®.
Knee length. Weight 1.75 kg (size L)
Size S–3XL.
Art. No. Rear close 1123400 1000
Art. No. Front close 1123450 1000

11 JACKET
Same design as Alu/TC, but manufactured in Marlan®.
Size S–3XL.
Art. No. Front Close 1122100 1000

12 TROUSERS
Same design as Alu/TC, but manufactured in Marlan®.
Size S–3XL.
Art. No. 1130000 1000

NECK PROTECTION
To be fastened on helmet. Manufactured in Marlan®.
One size
Art. No. 1110010 1075
RADIANT HEAT REFLECTIVE MATERIAL
Preox PAN and Paraaramid coated with Aluminium foil. Eliminates up to 95% of the radiant heat and has the highest classification for molten iron and aluminium.
Certified according to EN 11612 – A1,B1,C3,D3,E3 (See explanation below.)

SPASH PROTECTIVE MATERIAL
Marlan® is manufactured mainly for aluminium industries. Melted aluminium does not stick to the surface of the fabric and it is heat and flame resistant.
Certified according to EN 11612 – A1,B1,C2,D3,E3,F1 (See explanation below.)

INSULATING MATERIAL
Contact heat is resisted with Silicone coated E-fibreglass.
Certified according to EN 420. Resists approximately 350°C / 660°F.

LABELING EN 11612 – HEAT AND FLAME
The garments are labeled with a size pictogram in accordance with EN 340, as well as the symbol for “protective clothing for industrial workers exposed to heat” in accordance with EN 11612 (the flame symbol). The various figures in connection with the flame symbol specify the following values (1 being the lowest value):
A – Flame spread (-)  
B – Convective heat (1-5)  
C – Heat radiation (1-4)  
D – Molten aluminium (1-3)  
E – Molten iron (1-3)  
F – Contact heat (1-3)
Technical specifications

Thermal protection

<table>
<thead>
<tr>
<th>Material</th>
<th>70% Preox PAN, 30% Paraaramid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Covering</td>
<td>Aluminium foil.</td>
</tr>
<tr>
<td>CE-marking</td>
<td>EN 11612 (A1,B1,C3,D3,E3).</td>
</tr>
<tr>
<td>Seams</td>
<td>Double</td>
</tr>
<tr>
<td>Washing</td>
<td>Wipe with a damp cloth. Do not machine wash.</td>
</tr>
</tbody>
</table>

Five finger glove special

<table>
<thead>
<tr>
<th>Material</th>
<th>Silicone coated E-fibreglass.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium laminated Preox.</td>
<td></td>
</tr>
<tr>
<td>Kevlar lining.</td>
<td></td>
</tr>
<tr>
<td>CE-marking</td>
<td>EN 420</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>Approx. 350° C.</td>
</tr>
</tbody>
</table>

Five finger glove

<table>
<thead>
<tr>
<th>Material</th>
<th>Heat resistant leather grip.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminized outside, cotton lining.</td>
<td></td>
</tr>
<tr>
<td>CE-marking</td>
<td>EN 388 (4,1,4,4), EN 407 (4,2,1,2,4,3).</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>Approx. 250° C, threshold time 18 s.</td>
</tr>
</tbody>
</table>

Mitten

<table>
<thead>
<tr>
<th>Material</th>
<th>Heat resistant leather grip.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminized outside, knitted cotton lining.</td>
<td></td>
</tr>
<tr>
<td>CE-marking</td>
<td>EN 388 (4,1,4,4), EN 407 (4,2,X,X,4,X).</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>Approx. 250° C.</td>
</tr>
</tbody>
</table>

Welding curtain

<table>
<thead>
<tr>
<th>Material</th>
<th>Silicone coated E-fibreglass (one side).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceramic fibre mat as insulation.</td>
<td></td>
</tr>
</tbody>
</table>

Size Table (all measurements in cm)

<table>
<thead>
<tr>
<th>Size</th>
<th>Body Length</th>
<th>Chest Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>&lt;175</td>
<td>92</td>
</tr>
<tr>
<td>M</td>
<td>176-180</td>
<td>100</td>
</tr>
<tr>
<td>L</td>
<td>181-186</td>
<td>108</td>
</tr>
<tr>
<td>XL</td>
<td>187-192</td>
<td>116</td>
</tr>
<tr>
<td>2XL</td>
<td>193-200</td>
<td>124</td>
</tr>
<tr>
<td>3XL</td>
<td>201-206</td>
<td>132</td>
</tr>
</tbody>
</table>

Certified according to ISO 9001:2008 and ISO 14001:2004