

TRANEMO

ADVANCED WORKWEAR



FLAME RETARDANT MERINO WOOL UNDERWEAR

A natural part of TRANEMO SKINSAFE™



MERINO WOOL PROTECTING YOUR SKIN

The Flame Retardant Merino wool underwear protects you from cold, heat, flame, and can help to reduce injuries associated with Electric Arcs. Use the underwear as the perfect skin-protecting layer to support the Anti-Static function of your Flame Retardant workwear. A Merino wool base layer is a very important part of Tranemo Skinsafe™ and serves as an ideal first protective layer closest to your skin.

NATURALLY FLAME RETARDANT

When working in cold conditions with varying degrees of intensity, the extra thin Merino wool fibres ensure that your protection is comfortable to wear. The Merino wool underwear is PFAS-free, and dirt-repellant, and effectively absorbs moisture to keep your body warm, even when wet. In addition, it does not attract bad odours.

100%
INHERENT
FLAME RETARDANT

SOFT AND WARM FLAME RETARDANT MERINO WOOL UNDERWEAR

Inherent Flame Retardant
material with Merino Wool Mix.

Lightweight rib knitted
technology that
keeps you warm in
cold environments.

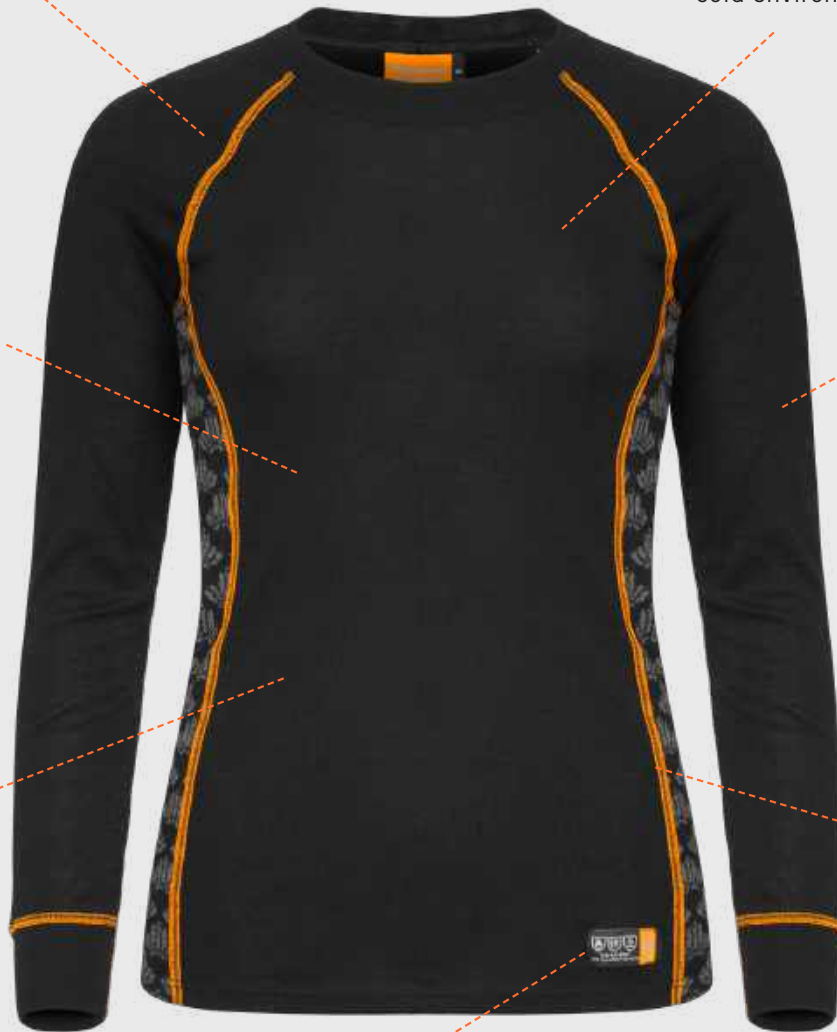
Merino wool ensures
you stay warm even if
the garment is wet.

Odour resistant.

Naturally
dirt repellent.

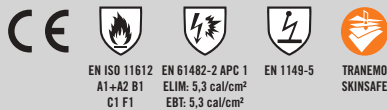
Jacquard knitted
panels.

External label to easily
see your level of protection.



MERINO RX

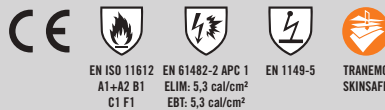
MERINO RX is a thinner Flame Retardant Merino wool mix underwear range that is perfect as your first skin protecting layer. The underwear is made from a knitted rib with high elasticity and breathability. When working in bad weather, the Merino wool underwear keeps you warm and dry even when wet, and in addition it does not attract bad odour.



6319 90 FLAME RETARDANT TURTLENECK

Non-metal and inherent flame retardant turtleneck underwear in Merino wool/FR viscose tricot. PFAS-free. Concealed zip in collar. Extended back.

Size: XS-4XL
 Colour: 07 black
 Quality: 901: Merino RX - 60% wool / 38% viscose / 2% antistatic, 200 g/m²



6315 90 FLAME RETARDANT T-SHIRT LONG SLEEVE

Non-metal and inherent flame retardant long sleeved t-shirt underwear in Merino wool/FR viscose tricot. PFAS-free.

Round neck. Extended back.

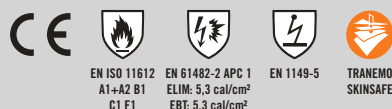
Size: XS-4XL
 Colour: 07 black
 Quality: 901: Merino RX - 60% wool / 38% viscose / 2% antistatic, 200 g/m²



6300 90 FLAME RETARDANT T-SHIRT

Non-metal and inherent flame retardant t-shirt underwear in Merino wool/FR viscose tricot. PFAS-free. Round neck. Extended back.

Size: XS-4XL
 Colour: 07 black
 Quality: 901: Merino RX - 60% wool / 38% viscose / 2% antistatic, 200 g/m²



6312 90 FLAME RETARDANT LONG JOHNS

Non-metal and inherent flame retardant long johns in Merino wool/FR viscose tricot. PFAS-free. Elasticated waist.

Size: XS-4XL
 Colour: 07 black
 Quality: 901: Merino RX - 60% wool / 38% viscose / 2% antistatic, 200 g/m²



6310 90 FLAME RETARDANT BOXER SHORTS

Non-metal and inherent flame retardant boxer shorts in soft Merino wool and Flame retardant viscose. PFAS-free.

Elasticated waist.

Size: XS-4XL
 Colour: 07 black
 Quality: 901: Merino RX - 60% wool / 38% viscose / 2% antistatic, 200 g/m²





6395 90 FLAME RETARDANT WOOL BEANIE

Non-metal and inherent flame retardant beanie in jacquard knitted fabric of tricot in soft Merino wool and Flame retardant viscose. PFAS-free.

Size: One size
Colour: 82 black/grey
Quality: 904: Merino JX - 55% wool / 43% viscose / 2% antistatic, 220 g/m²

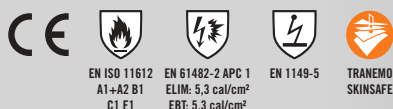


6397 90 FLAME RETARDANT NECK PROTECTION

Non-metal and inherent flame retardant neck protection in Merino wool and FR viscose, that provides good protection against exposure of electric arc. PFAS-free.

The neck protection is reversible with pattern on one side and grey melange on the other. The neck protection also prevents molten metal getting under the collar. It can be 'pulled' up and used as a balaclava which then gives protection to the ears and open skin/hair. To obtain protection to the front of the face, pull up the neck protection from the front. The neck protection can also be worn as a neckerchief and protects against cold.

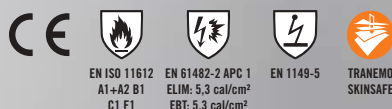
Size: One size
Colour: 82 black/grey
Quality: 904: Merino JX - 55% wool / 43% viscose / 2% antistatic, 220 g/m²



6314 90 FLAME RETARDANT LADIES LONG SLEEVE T-SHIRT

Non-metal and inherent flame retardant ladies long sleeved t-shirt underwear in Merino wool/FR viscose tricot. Jacquard patterned panels. PFAS-free. Round neck. Extended back.

Size: Ladies S-XXL
Colour: 82 black/grey
Quality: 901: Merino RX - 60% wool / 38% viscose / 2% antistatic, 200 g/m²
904: Merino JX - 55% wool / 43% viscose / 2% antistatic, 220 g/m²



6311 90 FLAME RETARDANT LADIES LONG JOHNS

Non-metal and inherent flame retardant ladies long johns in Merino wool/FR viscose tricot. Jacquard patterned panels. PFAS-free. Elasticated waist.

Size: Ladies S-XXL
Colour: 82 black/grey
Quality: 901: Merino RX - 60% wool / 38% viscose / 2% antistatic, 200 g/m²
904: Merino JX - 55% wool / 43% viscose / 2% antistatic, 220 g/m²



MERINO FX

MERINO FX is a soft and warm inherent Flame Retardant underwear made from Merino wool terry. The airiness of the terry fabric makes the garments lightweight and extra warm. This range is perfect as the first comfortable skin-protecting layer, offering good elasticity and breathability. The Merino wool underwear keeps you warm and dry even when wet, and in addition it does not attract bad odours.

The balaclava can be worn in many ways.

Use it as a:

- balaclava - to protect your face against cold and heat
- hood - wear the bottom part of the opening under your chin
- turtleneck - let the balaclava stay down around your neck to turn into a warming collar
- high turtleneck - pull the balaclava up to the chin and neck



EN ISO 11612
A1+A2 B1
C1 F1

EN 61482-2 APC 1
ELIM: 4,0 cal/cm²
EBT: 4,0 cal/cm²

EN 1149-5

TRANEMO
SKINSAFE

6303 90 FLAME RETARDANT UNDERWEAR BALACLAVA / HOOD T-SHIRT

Non-metal and inherent flame retardant long sleeve t-shirt with balaclava/hood in a soft and warm Merino wool terry. PFAS-free.

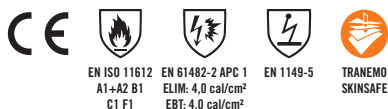
The hood can also be worn down as a turtleneck collar. Extended back and cuffs with thumb loops.

Size: XS-4XL

Colour: 07 black

Quality: 905: Merino FX - 60% wool / 38% viscose / 2% antistatic, 220 g/m²

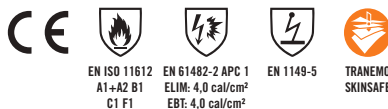




6304 90 FLAME RETARDANT LONG SLEEVE UNDERWEAR T-SHIRT

Non-metal and inherent flame retardant long sleeve underwear t-shirt in a soft and warm Merino wool terry. PFAS-free.
Round neck. Extended back and cuffs with thumb loops.

Size: XS-4XL
Colour: 07 black
Quality: 905: Merino FX - 60% wool / 38% viscose / 2% antistatic, 220 g/m²



6301 90 FLAME RETARDANT LONG JOHNS

Non-metal and inherent flame retardant long johns in a soft and warm Merino wool terry. PFAS-free.
Elasticated waist.

Size: XS-4XL
Colour: 07 black
Quality: 905: Merino FX - 60% wool / 38% viscose / 2% antistatic, 220 g/m²



UNISEX

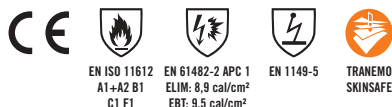
Tranemo strives to make it possible for everybody to dress correctly from the inside out. Merino FX and Merino TX are designed to be unisex, so that they fit both men and women.

The sizes of the underwear are listed and ordered in men's sizes. Use the conversion table below to see which ladies size it corresponds to.

Men's	Ladies
XXS	S
XS	M
S	L
M	XL
L	XXL

MERINO TX

MERINO TX is a thicker Flame Retardant and warm Merino wool terry which can be used both as an insulating second layer or as the shield when working indoors. The airiness of the terry fabric makes the garments extra warm. MERINO TX is tested in a Tranemo Skinsafe™ system together with Merino RX with the result of PPE category 3 and ELIM: 25 cal/cm².

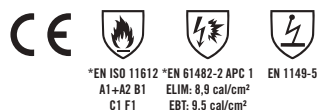


6330 90 FLAME RETARDANT CARDIGAN

Non-metal and inherent flame retardant cardigan in a heavier weight Merino wool/FR viscose fabric. PFAS-free.

Concealed zip closing. Front pockets with flaps. Ribbed cuffs with thumb loops.

Size: XXS-4XL
Colour: 07 black
Quality: 903: Merino TX - 60% wool / 38% viscose / 2% antistatic, 360 g/m²



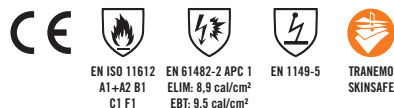
6335 90 FLAME RETARDANT BODYWARMER

Non-metal and inherent flame retardant bodywarmer in a soft Merino wool terry. PFAS-free.

Concealed zip closing. High collar for extra protection. Side pockets.

*To meet the requirements of the standard, the waistcoat must be worn together with a long sleeved garment with the same certification.

Size: XS-4XL
Colour: 07 black
Quality: 903: Merino TX - 60% wool / 38% viscose / 2% antistatic, 360 g/m²



6332 90 FLAME RETARDANT LONG JOHNS

Non-metal and inherent flame retardant long johns in a soft and heavy weight Merino wool terry. PFAS-free. Elasticated waist.

Size: XS-4XL
Colour: 07 black
Quality: 903: Merino TX - 60% wool / 38% viscose / 2% antistatic, 360 g/m²



MERINO ACCESSORIES

The Tranemo Merino wool range also includes different socks and hats, which have the same performance benefits as the underwear.



6308 90 FLAME RETARDANT BALACLAVA

Non-metal and inherent flame retardant balaclava in soft tricot Merino wool and Flame retardant viscose. PFAS-free.

The balaclava offers good protection for chin, neck and face. Longer front.

Size: One size
Colour: 07 black
Quality: 902: Merino BX - 60% wool / 38% viscose / 2% antistatic, 250 g/m²



9172 00 FLAME RETARDANT THICK KNEE HIGH SOCK

Inherent flame retardant knee height thick sock with technically advanced knitted parts for extra good fit. PFAS-free.

The sock is knitted in a warm wool terry mix, 600 g/m² and ends just below the knee. Ribbed shaft for a good fit on the calf.

Size: 37-39, 40-42, 43-45, 46-48
Colour: 07 black
Quality: 49% wool / 28% viscose / 15% polyamide / 5% elastane / 3% antistatic, 600 g/m²



6307 90 FLAME RETARDANT WOOL BEANIE

Non-metal and inherent flame retardant beanie to be used under a helmet, in a thinner tricot in soft Merino wool and Flame retardant viscose. PFAS-free.

Size: One size
Colour: 07 black
Quality: 902: Merino BX - 60% wool / 38% viscose / 2% antistatic, 250 g/m²



9074 00 FLAME RETARDANT LIGHTWEIGHT SOCK

Lightweight inherent flame retardant work sock in wool/FR viscose, 200g/m². PFAS-free.

Size: 34-36, 37-39, 40-42, 43-45, 46-48
Colour: 07 black
Quality: 35% wool / 35% FR viscose / 25% polyamide / 3% antistatic / 2% elastane, 200g/m²



9075 00 FLAME RETARDANT SOCK

Heavyweight inherent flame retardant winter sock in wool/FR viscose, 600 g/m². PFAS-free.

Size: 37-39, 40-42, 43-45, 46-48
Colour: 07 black
Quality: 45% wool / 35% FR viscose / 15% polyamide / 3% antistatic / 2% elastane, 600 g/m²



9171 00 FLAME RETARDANT THICK SOCK

Inherent flame retardant thick sock with technically advanced knitted parts for extra good fit. PFAS-free.

The sock is knitted in a warm wool terry mix, 600 g/m² and have a ribbed shaft for a good fit on the calf.

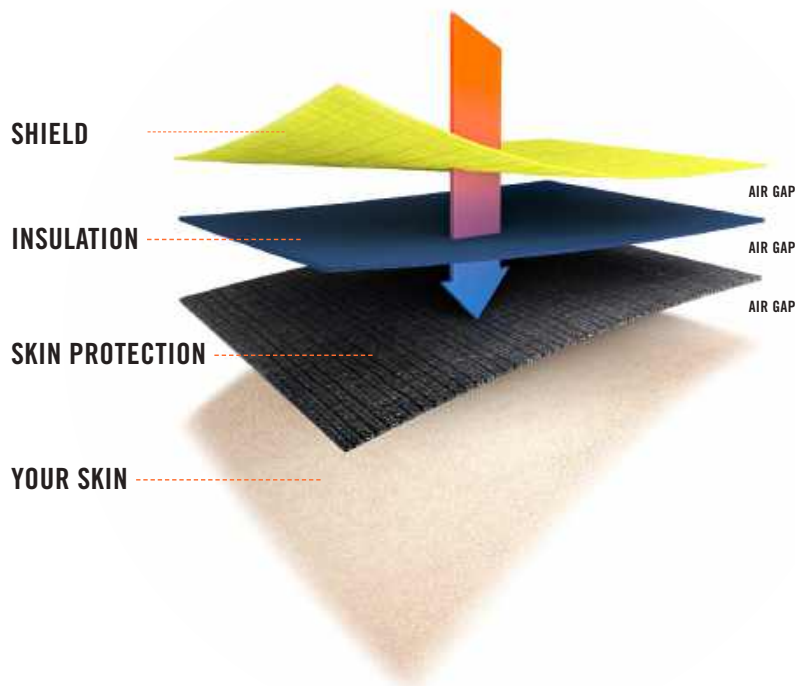
Size: 37-39, 40-42, 43-45, 46-48
Colour: 07 black
Quality: 49% wool / 28% viscose / 15% polyamide / 5% elastane / 3% antistatic, 600 g/m²



TRANEMO SKINSAFE™

FROM THE INSIDE OUT

They say a chain is only as strong as its weakest link. That's why we recommend using Inherent Flame Retardant clothing from the inside out. You then avoid the risk that the cotton could burn, polyester could melt or that metal could transmit electrical current and heat.



MERINO RX, MERINO FX, MERINO TX AND TERA TX

Tera TX is our most popular choice of outer layer in the power industry and for other outdoor jobs. When combined with Merino wool, it is perfect for working at varying levels of intensity. It is warm even when wet and if you sweat, you won't get cold thanks to its superior heat retention capability. Below we show examples of combinations of Tranemo Merino wool underwear and Tera TX as a part of the Tranemo Skinsafe™ system.

MERINO RX ELIM: 5,3 cal/cm ² EBT: 5,3 cal/cm ²	MERINO FX ELIM: 4,0 cal/cm ² EBT: 4,0 cal/cm ²	MERINO TX ELIM: 8,9 cal/cm ² EBT: 9,5 cal/cm ²	TERA TX ELIM: 8,1 cal/cm ² ATPV: 8,7 cal/cm ²	TRANEMO SKINSAFE™	
X		X	X	ELIM (cal/cm ²) 37	ATPV (cal/cm ²) 42
	X	X	X	ELIM (cal/cm ²) 36	ATPV (cal/cm ²) 43
X		X		ELIM (cal/cm ²) 25	ATPV (cal/cm ²) 25
	X		X	ELIM (cal/cm ²) 19	ATPV (cal/cm ²) 21
X			X	ELIM (cal/cm ²) 14	ATPV (cal/cm ²) 22



100%
INHERENT
FLAME RETARDANT

TRANEMO

ADVANCED WORKWEAR

Tranemo are a leading European supplier of Inherent Flame Retardant workwear.
With our extensive experience in developing innovative
and functional workwear, we strive towards
zero flame and heat related injuries.
All for a safer workplace.
Since 1934.

www.tranemo.com