



Ktena Knitting MILLS

Merino Thermal Underwear
Manufacturer



Ktena Knitting Mills 01

Merino

WOOL BASE LAYER THERMALS



Body Temperature Regulation

The key to greater performance is keeping the body's temperature at its optimum comfort level. Merino Skins thermals constantly monitor the body's temperature and moisture levels and naturally adjust body temperature to maintain the optimum level of comfort.

The Merino Skin Edge

Merino Skins provide the power to keep you going. To keep the body's muscles working at full capacity during activity, the body's temperature must not rise excessively. Merino Skins are highly efficient in body cooling during strenuous activity. At the same time, they protect the body from the outer cold environment - keeping you miles ahead - the natural performance enhancer.

Thermoregulation and moisture control of the body

The key to greater performance is keeping the body's temperature at its optimum comfort level. Merino Skins constantly monitor the body's temperature and moisture levels and naturally adjust body temperature to maintain the optimum comfort level. In cold or damp environments, Merino Skins instantly generate heat through a unique molecular process known as heat of sorption. In hot or warm environments, Merino Skins release moisture as a vapour, cooling down the body. Truly nature's miracle thermostat.

Superior wicking abilities

Merino Skins rapidly absorb sweat and pump it through the outer layer where it quickly spreads and evaporates. This powerful wicking transport system keeps you dry throughout strenuous exercise - up to 27% more than synthetics.

Odour Free

Merino Skins do not retain offensive odours, unlike all synthetics. They evaporate perspiration and thereby eliminate the breeding ground for odour causing bacteria. That's one more important benefit for you to enjoy: wearing Merino Skins will inhibit bacterial growth and offensive odours.

Static Free

Merino Skins fabric is in harmony with the body's natural electrical field, thus unlike synthetics which carry static electricity that runs against the body's blood structures, Merino Skins will keep you comfortable in natural harmony.

Flame Resistant

Natural Merino Wool is an excellent flame resisting fibre - unlike synthetics which will incinerate, combust and melt on impact with any naked flame. Sitting around the campfire, you can feel protected, safe and rest assured that your natural Merino Skins thermal undergarments will protect you against any stray sparks.

Dries Quickly

Drying time in our busy lives is extremely important - with the latest in technology, the care of Merino Skins thermal wear requires no special handling as they are fully machine washable.

High Level of Inbuilt UV Protection

Merino Wool has a much greater level of natural protection against the sun's harmful UV rays. Wearing Merino Skins outdoors significantly increases the level of protection against UV rays as compared with other thermal wear.

Ktena Knitting Mills 02 -

Thermo- Fleece



Ladies

Double Knitted Interlock Fabric



Thermo Fleece® - Ladies
Sleeveless Vest - Lace Motif -



Thermo Fleece® - Ladies Short
Sleeve - Round Neck



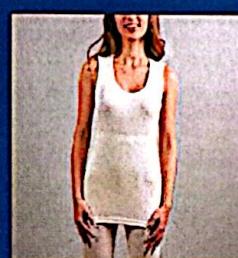
Thermo Fleece® - Ladies Long
Sleeve - Lace Motif -



Thermo Fleece® - Ladies Long
John - 100% Merino Wool



Thermo Fleece® - Ladies Long
Sleeve - Scoop Neck



Thermo Fleece® - Ladies
Sleeveless Vest - Scoop Neck



Thermo Fleece® - Ladies Short
Sleeve - Scoop Neck

Rib Pointelle Fabric



Thermo Fleece® - Long Sleeve
Satin Bound Neck - 100%
Merino Wool - White



Thermo Fleece® - Long Sleeve
Satin Bound Neck - 100%
Merino Wool - Black



Thermo Fleece® - Long Sleeve
Lace V Neck - 100%
Merino Wool - White



Thermo Fleece® - Long Sleeve
Lace V Neck - 100% Merino
Wool - Black

Ktena Knitting Mills 07

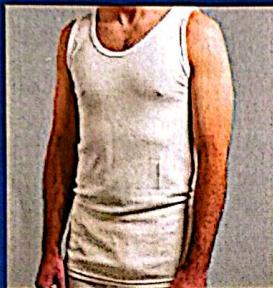
Thermo- Fleece



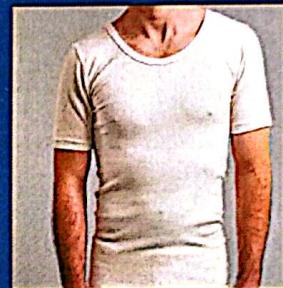
Mens Merino Mens Range

Double Knitted Interlock (Side seam free)

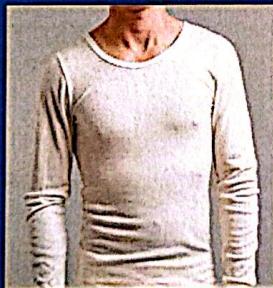
The most stable of all fabrics, this resists warping and retains its shape wash after wash. Our interlock fabrics are knitted in tubular form by our machines programmed to knit individual body sizes. Thus garments are side- seam free and hug the natural curves of the body.



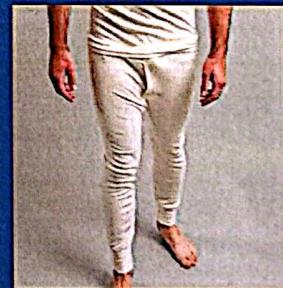
Thermo Fleece® - Men's
Sleeveless Merino Singlet



Thermo Fleece® - Men's Short
Sleeve Top



Thermo Fleece® - Men's Long
Sleeve Top



Thermo Fleece® - Men's Long
John

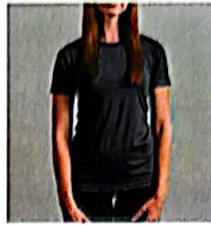
Merino Skins Lite



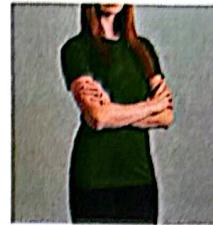
Merino Skins Lite - Ladies Summer Weight Short Sleeve Merino T Shirt - Black
Ladies Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12LB
Black Colour



Merino Skins Lite - Ladies Summer Weight Short Sleeve Merino T Shirt - Navy blue
Ladies Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12LN
Navy Blue Colour



Merino Skins Lite - Ladies Summer Weight Short Sleeve Merino T Shirt - Charcoal Grey
Ladies Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12LG
Charcoal Grey Colour



Merino Skins Lite - Ladies Summer Weight Short Sleeve Merino T Shirt - Green pastures
Ladies Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12LG
Green Pastures Colour



Merino Skins Lite - Ladies Summer Weight Long Sleeve Merino T Shirt - Black
Ladies Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12LB
Black Colour



Merino Skins Lite - Ladies Summer Weight Long Sleeve Merino T Shirt - Navy Blue
Ladies Summer-weight Merino Long Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12LN
Navy Blue Colour



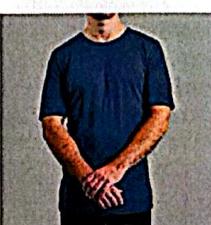
Merino Skins Lite - Ladies Summer Weight Long Sleeve Merino T Shirt - Charcoal Grey
Ladies Summer-weight Merino Long Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12LG
Charcoal Grey Colour



Merino Skins Lite - Ladies Summer Weight Long Sleeve Merino T Shirt - Green Pastures
Ladies Summer-weight Merino Long Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12LG
Green Pastures Colour



Merino Skins Lite - Men's Summer Weight Short Sleeve Merino T Shirt - Black
Men's Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12MB
Black Colour



Merino Skins Lite - Men's Summer Weight Short Sleeve Merino T Shirt - Navy Blue
Men's Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12MN
Navy Blue Colour



Merino Skins Lite - Men's Summer Weight Short Sleeve Merino T Shirt - Charcoal Grey
Men's Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12MG
Charcoal Grey Colour



Merino Skins Lite - Men's Summer Weight Short Sleeve Merino T Shirt - Green Pastures
Men's Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12MG
Green Pastures Colour



Merino Skins Lite - Men's Summer Weight Short Sleeve Merino T Shirt - Black
Men's Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12MB
Black Colour



Merino Skins Lite - Men's Summer Weight Short Sleeve Merino T Shirt - Navy Blue
Men's Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12MN
Navy Blue Colour



Merino Skins Lite - Men's Summer Weight Short Sleeve Merino T Shirt - Charcoal Grey
Men's Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12MG
Charcoal Grey Colour

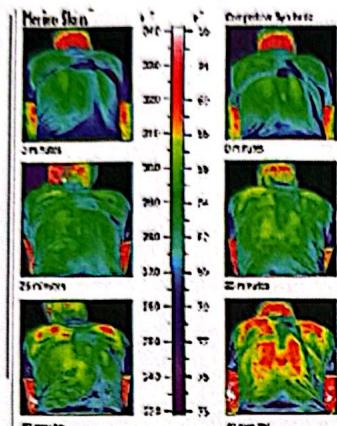


Merino Skins Lite - Men's Summer Weight Short Sleeve Merino T Shirt - Green Pastures
Men's Summer-weight Merino Short Sleeve T Shirt
Light Weight Merino - 170 gsm
Style no: SJ12MG
Green Pastures Colour

Merino

WOOL BASE LAYER THERMALS

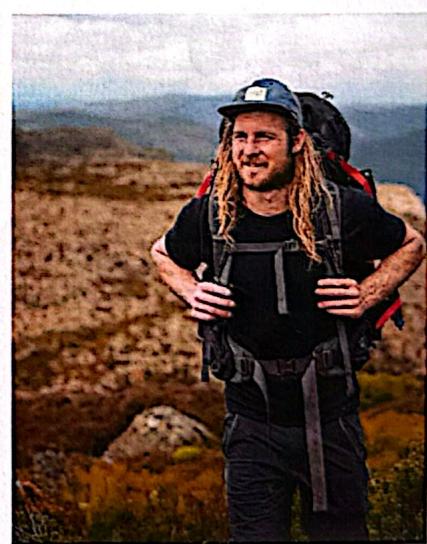
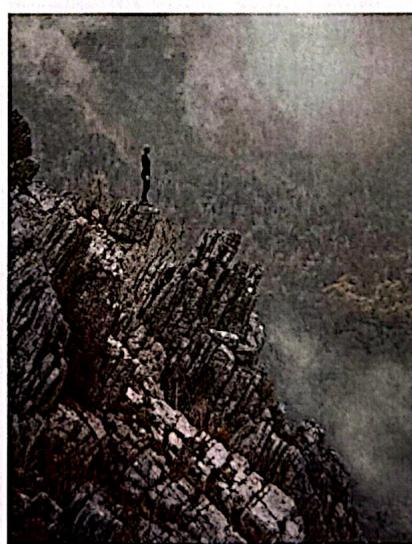
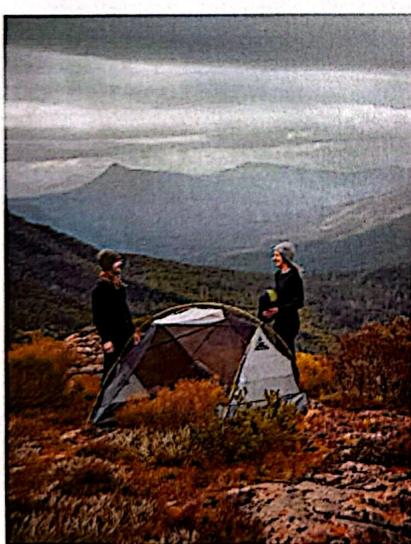
Merino Skins Natural Merino Wool Performance Merino Skins vs Synthetics



Unlike petrochemically based synthetic thermal underwear – natural Merino Skins key feature is its ability to regulate the body's optimum comfort level – never too hot, never too cold.

How? The key is moisture and temperature control. Conventional synthetic underwear is manufactured from chemical-based fibres or plastics which have very limited ability to breathe or to absorb moisture. While they can "wick" or move moisture away from the body, they merely transfer that moisture to the outside of the garment creating a wet, sweaty, unhealthy environment which becomes unbearably cold in the winter months and uncomfortably hot in the summer months.

This is where Merino Skins is different – Merino Skins will "wick" moisture away from the body (up to 27% more moisture than any comparable synthetic) and because of Merino Skins natural breathability, it will evaporate that moisture quickly, leaving your body drier and more comfortable in all types of conditions. Cool in summer, warm in winter and 100% natural and organic



Ktena Knitting Mills 03

Thermo- Fleece



Merino Ladies Range

Ktena's ladies' range includes our everyday Thermo Fleece® garments in design styles including sleeveless, short sleeve, long sleeve tops and long john and trunks and are made in various fabric / knit type constructions.

Double Knitted Interlock (Side seam free)

The most stable of all fabrics, this resists warping and retains its shape wash after wash. Our interlock fabrics are knitted in tubular form by our machines programmed to knit individual body sizes. Thus, garments are side- seam free and hug the natural curves of the body.

Rib Pointelle (Side seam free)

Our machinery is programmed to knit specific patterns within this fabric. Each garment is individually knitted with a waistband finish on the body and sleeve ends making hemming unnecessary. Constructed in tubular form, garments are side- seam free and comfortably wrap around the contours of the body.

Merino Mens Range

Double Knitted Interlock (Side seam free)

The most stable of all fabrics, this resists warping and retains its shape wash after wash. Our interlock fabrics are knitted in tubular form by our machines programmed to knit individual body sizes. Thus garments are side- seam free and hug the natural curves of the body.

Finest Quality Wool

Ktena Knitting Mills doesn't just use any old wool we use one of the highest grades of Merino Wool is specially selected and graded. Longer than other standard wool fibres - the extra length creates a smooth and silky knitted yarn. Our Merino Wool yarns are soft to the touch and are prickle free, flame resistant and absorb body odour and moisture. After washing, not only does our Merino Wool maintain its elasticity, it also increases its warmth value!

About The Thermo Fleece Brand

Thermo -Fleece Underwear is the unique result of a perfect blend of sophisticated technology, wool growing in Australia and Australia's clean, green environment. Australia's superfine merino wools represent over 100 years of expert breeding and refinement resulting in only the softest, finest and whitest merino wools in the world. Prickle free, our merino wool thermals are available double knitted, in silky shiny fabric and exquisitely feminine pattern fabrics, without seams and are fully machine washable. A Thermo-Fleece garment is your guarantee of unsurpassed luxury, comfort and warmth without compromise...naturally.

Why Thermo Fleece?

Thermo -Fleece Woolen underwear keeps you warm as toast in the coldest conditions without ever feeling clammy even if you're wearing rainproof clothing over the top! Merino Thermo -Fleece woolen underwear offers the very best in quality. It's knitted from 100% pure super soft wool from Australian merino sheep. Developed after years of research, super soft wool is blissfully comfortable and prickle free against the skin. Yet it's incredibly easy to care for the unique interlock knit guarantees long wear and no shrinkage and you can even machine wash it. Also, all garments are 'side seam free' for supreme comfort.

Only Thermo -Fleece is made from interlock Double knit fabrics and Feminine Patterned Rib Pointelle fabrics, your assurance of the garments long life softness, comfort and reliability. Thermo-Fleece is made with prime Australian merino wool making it non -prickly, easy care, super soft and fully machine washable

Why Wool?

Wool is a remarkable fibre. A wonderful insulator, it will hold in your body heat to keep you warm. And, at the same time, wool has a unique ability to absorb up to three times its own weight in moisture, drawing it away from the skin without feeling damp. Wool does not compromise with quality. Only wool can simultaneously keep you cozy and warm without feeling clammy or damp. Wool is lightweight and ultra soft, your guarantee for perfect comfort and better health.

Merino Skins

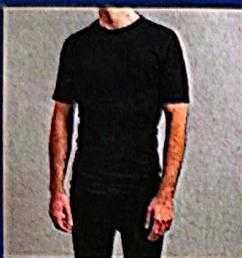
Unisex Merino Skins - Sports Active Range

Merino Skins are stylish, high-performance base layer thermal wear combining fashion with function.

Made from the finest, softest, Australian merino wool, Merino Skins high-performance activewear garments are the perfect, contemporary range, merging exclusive designs with the benefits of wool's remarkable natural properties.

100% merino

Merino Skins



Merino Skins - Unisex Merino Short Sleeve T Shirt - Black

Unisex Merino Short Sleeve T Shirt
Mid Weight Merino Base Layer -
230 gsm
Style no: SP12B
Black Colour



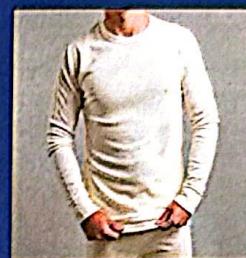
Merino Skins - Unisex Merino Short Sleeve T Shirt

Unisex Merino Short Sleeve T Shirt
Mid Weight Merino Base Layer -
230 gsm
Style no: SP12I
White Colour



Merino Skins - Unisex Long Sleeve Crew Neck - Black

Unisex Long Sleeve Crew Neck
Mid Weight Merino Base Layer -
230 gsm
Style no: SP19B
Black Colour



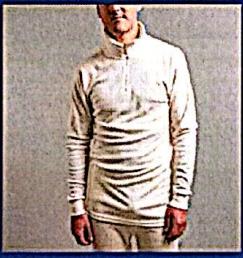
Merino Skins - Unisex Long Sleeve Crew Neck - White

Unisex Long Sleeve Crew Neck
Mid Weight Merino Base Layer -
230 gsm
Style no: SP19I
White Colour



Merino Skins - Unisex Long Sleeve Half Zip Front - Black

Unisex Long Sleeve Half Zip Front
Mid Weight Merino Base Layer -
230 gsm
Style no: SPZB
Black Colour



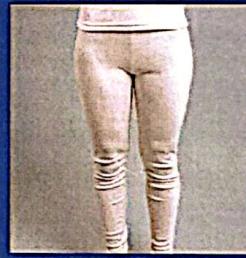
Merino Skins - Unisex Long Sleeve Half Zip Front - White

Unisex Long Sleeve Half Zip Front
Mid Weight Merino Base Layer -
230 gsm
Style no: SPZI
White Colour



Merino Skins - Unisex Long John / Pant - Black

Unisex Long John / Pant - Black
Mid Weight Merino Base Layer -
230 gsm
Style no: SPLB
Black Colour



Merino Skins - Unisex Long John / Pant - White

Unisex Long John / Pant - White
Mid Weight Merino Base Layer -
230 gsm
Style no: SPLI
White Colour

About Us



Underwear Specialists

Ktena Knitting Mills – the owners and manufacturers of Merino Skins and Thermo Fleece, is Australia's leading thermal underwear manufacturer. As underwear specialists for over 40 years, we manufacture only warm under-garments and are thus able to concentrate on improving and extending our product range to meet the demands of our customers.

Vertical Structure

All our garments are manufactured "in-house" beginning from the raw yarn to the packaged product. Skilled technicians design our fabrics and individually set the machinery to produce the required sizing and styles. Garment designers, cutters, sewing and packing staff all work within the same premises to ensure that all departments are at close range and can work together efficiently.

We have established strict quality control measures that occur at the highest level before leaving the premises. Our dedicated and qualified staff work together as a team and have been instrumental in the culmination of our respectable reputation as manufacturers of high-quality garments.

Extensive experience

Ktena supplies many businesses throughout Australia and the world our ever-growing markets include North America, South East Asia, China, Great Britain and many EU members in the European Union.

World Standard Clientele

Ktena Knitting Mills has been supplying some of the most renowned and prestigious retailers and distributors for many decades. Repeat orders from both small and mega firms has enabled us to develop and maintain our reputation as "the thermal underwear experts" who offer quality and service worldwide.

Woolmark Certified



WOOLMARK
CERTIFIED

All of our garments are 100% Woolmark certified.

The Woolmark logo is a symbol of trust; only Woolmark certified garments are guaranteed authentic after passing rigorous quality control and extensive testing procedures.

Ethical Clothing Australia



Ktena Knitting are a certified ethical clothing Australia manufacturer.

Ktena is committed to supporting an ethical wool industry and the ECA accreditation that provides consumers and buyers with a simple way to identify and support ethically made Australian TCF products.

Australian Made Certified

All of our garments are 100% Australian made and owned certified.



The famous Australian Made, Australian Grown (AMAG) logo is the true mark of Aussie authenticity. It's Australia's most trusted, recognised and widely used country of origin symbol, and is underpinned by a third-party accreditation system, which ensures products that carry the logo are certified as 'genuinely Australian'.

Dual Twin Layer

MERINO OUTER – COTTON INNER



Outer layer
100% Merino
Wool

Inner layer
against the skin
Super Soft
100% Cotton



WOOLMARK

- Woolmark Certified
- Australian Made Certified
- Ethical Clothing Australia Certified
- Made in our factory in Melbourne Australia

Ktena Knitting Mills 10

Ethical Clothing Statement



We operate within a framework that ensures we adhere to sustainable practices and are fully compliant and responsible. We know there's always room to improve, however, we are proud of our efforts to always do better.

Our key objectives fall in line with our below pillars which are aligned to the United Nations Sustainable Development Goals (SDG). We have identified a number of specific SDGs to which we can contribute the most and on which we have the most impact.

We are seriously committed to ethical sustainability. We ensure our entire manufacturing process is performed to strict ethical standards. We start by sourcing only ethically farmed – non mulesed merino sheep wool from Australian compliant farmers. As part of our supply chain, we ensure our yarns are manufactured in ethically manufacturing processing plants. We then knit all of our fabrics in our own factory here in Melbourne Australia, ensuring all local awards are strictly adhered to, safeguarding our team members legal rights, entitlements and conditions. Our knitted fabric is then sent to our accredited dyer to wash, press and dye our fabrics, which we monitor to ensure they follow strict environmental and ethical standards and are ethically certified.

We then carefully and skillfully cut, sew, package and dispatch all of our garments in-house in our factory in Oakleigh (Melbourne, Australia) paying particular attention to compliance including safe working conditions, fully compliant OHS system, above award rate Australian wages, penalty rates for overtime, full holiday and sick pay and full superannuation for all of our employees under state and federal employment laws. We strictly manufacture in house and do not use out-workers under any circumstances.

Australian Made Certified



All of our garments are 100% Australian made and owned certified.

The famous Australian Made, Australian Grown (AMAG) logo is the true mark of Aussie authenticity. It's Australia's most trusted, recognised and widely used country of origin symbol, and is underpinned by a third-party accreditation system, which ensures products that carry the logo are certified as 'genuinely Australian'.

As a registered certification trademark, the AMAG logo can only be used on products that are registered with Australian Made Campaign Ltd (AMCL), and which meet the criteria set out in the Australian Consumer Law and the AMAG Logo Code of Practice.

Ktena Knitting Mills 11

Size Charts

Ladies Thermo Fleece®



Ladies Thermo Fleece® Size Chart								
Ladies sizes	10	12	14	16	18	20	22	24
	XS	S	M	L	XL	XXL	XXXL	
Bust - Inches / CM	33-34" 84-87 cm	35-36" 88-92 cm	37-38" 93-97 cm	39-40" 98-102 cm	41-42" 103-107 cm	43-45" 108-115 cm	46-47" 116-120 cm	48-49" 121-125 cm
Waist - Inches / CM	24-26" 61-67 cm	27-29" 70-74 cm	29-30" 75-77 cm	31-33" 78-84 cm	34-35" 85-89 cm	36-37" 90-94 cm	38-40" 95-101 cm	41-43" 102-110 cm
Hip - Inches / CM	35-37" 90-94 cm	38-39" 95-99 cm	39-42" 100-107 cm	42-44" 108-111 cm	44-46" 112-116 cm	46-48" 117-121 cm	48-50" 122-126 cm	50-52" 127-131 cm

Mens Thermo Fleece®

Mens Thermo Fleece® Size Chart								
Mens sizes	85	90	95	100	105	110	115	120
		S	M	L	XL	XXL		
Chest (Top) - Inches / CM		30-32" 76-82 cm	34-36" 87-92 cm	38-40" 97-102 cm	42-44" 107-112 cm	46-48" 117-122 cm	50-52" 127-132 cm	54-56" 137-143 cm
Waist (Bottom) - Inches / CM	26-28" 66-71 cm	28-30" 71-76 cm	31-34" 82-87 cm	35-38" 92-97 cm	39-42" 102-107 cm	43-46" 112-117 cm	47-50" 120-127 cm	51-53" 130-135 cm

Merino Skins® Size Charts

Merino Skins Size Chart						
Merino Skins Size Chart		XS	S	M	L	XL
To Fit Ladies Size		S	M	L	XL	XXL
Chest (Top) - Inches / CM	26-28" 66-71 cm	30-32" 76-82 cm	34-36" 87-92 cm	38-40" 97-102 cm	42-44" 107-112 cm	46-48" 117-122 cm
Waist (Bottom) - Inches / CM	24-26" 61-66 cm	28-30" 72-77 cm	32-34" 82-87 cm	36-38" 92-97 cm	40-42" 102-107 cm	40-42" 112-117 cm

Dual Twin Layer

MERINO OUTER – COTTON INNER



Thermo Fleece.

THERMO FLEECE SENSITIVE

- ✓ Twin Layer Thermal - Dual Layer Fabric Technology
- ✓ Supersoft Cotton against the skin
- ✓ Superfine Merino Wool Outer Layer
- ✓ Itch Free
- ✓ Hypoallergenic - It for sensitive skin

Our new Dual Twin layer range has been designed for people with skin allergies or sensitive skin. Thermo Fleece Sensitive are a range of thermals that are the best of both worlds. Imagine all of the benefits of merino wool but it can now be worn by people with even the most sensitive skin.

How do we do it?

How does soft organic cotton against the skin sound? Well, imagine a fabric that has a cotton interior lining on the one side against the skin and soft premium merino wool on the outer layer. Only the cotton side ever comes in contact with the body, the merino wool side stays away from the skin.

Allergy Free Thermal Wear

Finding a warm and comfortable base layer thermal that won't trigger allergies can be impossible. That's why we developed this unique twin-layer hypoallergenic, cotton face and merino wool face thermal for people with allergic or sensitive skin.

Functional Properties

Our unique hypoallergenic two-layer fabric construction traps air between the two fabrics to create an insulated barrier between you and the cold. The space between layers acts as an insulating layer trapping warm air from your body, keeping you warm. This special twin double-layer construction is a perfect blend of sophisticated and innovative technology, Australian merino wool and cotton tradition and Australia's clean green environment.

Natural Fibres

Made with ultra-soft, 100% chemical-free cotton and 100% non-mulesed supersoft fine merino wool fibres, our sensitive thermal wear range will keep you warm and cozy without the itch.

Comfortable against the skin

Comfortable thermal wear is necessary year-round, until now only low-quality synthetics or summer garments were available for people with skin allergies or sensitive skin. Luckily we have been able to produce this unique twin-layer fabric that retains body heat while keeping you safe from triggering skin allergies. You will be able to depend on this hypoallergenic allergy-free range keeping you comfortable and warm all year round.

Highest quality materials and workmanship

We ensure that we only use the highest-grade combed cotton and virgin Merino wool to ensure softness and longevity.

All garments are made in our own factory from start to finish, we knit, cut and sew the fabric into garments all under one roof, reassuring quality control through every step of the production process.

Ktna Knitting Mills 09