

TRANEMO SKINSAFE™ SYSTEMS

When combining different garments together, the level of protection increases. Tranemo highly recommend using two or more layers of protective clothing to keep you warm and safe.

CANTEX SYSTEM

A three layer system is a common and safe combination for steelworks and other heavy industries where the wearer is exposed to high levels of energy and heat. In these scenarios, protection against heat transfer and Electric Arc is vital. Cantex Inherent Flame Retardant characteristics represent your best defence against these.

YOU



ARC RATING
40,7 cal/cm²
PPE CATEGORY
4

ARC RATING
29,9 cal/cm²
PPE CATEGORY
3

SKIN PROTECTION



CANTEX JX - 5940 92 03
Arc Rating 7,0 cal/cm², PPE 1



CANTEX JX - 5940 92 03
Arc Rating 7,0 cal/cm², PPE 1

INSULATION



CANTEX PRO 145 - 5770 91 94
Arc Rating 5,2 cal/cm², PPE 1

SHIELD



CANTEX 2.0 - 5736 88 94
Arc Rating 15,0 cal/cm², PPE 2

SHELL FR SYSTEM

Use the layer-by-layer principle when using the new Inherent Flame Retardant shell garments. Several layers block the heat, isolate and increase the Flame protection. The shell garments have taped seams and are wind and waterproof according to EN 343 - at the same time they offer good breathability to increase wearer comfort.

YOU



ARC RATING
48,0 cal/cm²
PPE CATEGORY
4

SKIN PROTECTION



MERINO RX - 6315 90 07
Arc Rating 5,5 cal/cm², PPE 1

INSULATION



CANTEX TERRY - 6375 89 94
Arc Rating 17,8 cal/cm², PPE 2

SHIELD



MEGA TX 230IR - 5135 94 94
Arc Rating 21,3 cal/cm², PPE 2

EDGE SYSTEM

The EDGE range is designed for maintenance and work on the railway where there is high voltage and risk of Electric Arc accidents. When EDGE garments are used together with Merino RX underwear, the protection increases significantly and together, the system offers a very high Arc Rating and reaches PPE 4.

YOU



ARC RATING
47,6 cal/cm²
PPE CATEGORY
4

SKIN PROTECTION



MERINO RX - 6315 90 07
Arc Rating 5,5 cal/cm², PPE 1

SHIELD



EDGE HVO - 6131 82 50
Arc Rating 8,7 cal/cm², PPE 2

TWO LAYER SYSTEM

When working in demanding indoor environments you could achieve adequate protection with a Tranemo Skinsafe™ two layer system. The garment combinations are soft and lightweight and gives the user good comfort to ensure work efficiency.

YOU



ARC RATING
33,5 cal/cm²
PPE CATEGORY
3

ARC RATING
27,9 cal/cm²
PPE CATEGORY
3

ARC RATING
17,0 cal/cm²
PPE CATEGORY
2

SKIN PROTECTION



CANTEX JERSEY AT - 6372 89 94
Arc Rating 5,1 cal/cm², PPE 1



MERINO RX - 6315 90 07
Arc Rating 5,5 cal/cm², PPE 1



CANTEX JX - 5940 92 03
Arc Rating 7,0 cal/cm², PPE 1

INSULATION



CANTEX TERRY - 5075 89 94
Arc Rating 17,8 cal/cm², PPE 2



MERINO TX - 6330 90 07
Arc Rating 12,7 cal/cm², PPE 2



CANTEX PRO 145 - 5770 91 94
Arc Rating 5,2 cal/cm², PPE 1

TERA TX SYSTEM

Tera TX is a very popular layering choice in the power industry and for other outdoor jobs. When Tera TX is combined with one or more layers of other Flame Retardant garments, a system that reaches a higher level of protection is created. The system is also suitable for working outside at changing levels of intensity and temperature.

YOU

ARC RATING
52,0 cal/cm²
PPE CATEGORY
4

ARC RATING
40,5 cal/cm²
PPE CATEGORY
4

ARC RATING
40,0 cal/cm²
PPE CATEGORY
4

ARC RATING
24,2 cal/cm²
PPE CATEGORY
2

ARC RATING
20,9 cal/cm²
PPE CATEGORY
2

ARC RATING
20,2 cal/cm²
PPE CATEGORY
2

ARC RATING
20,1 cal/cm²
PPE CATEGORY
2

SKIN PROTECTION



MERINO RX - 6315 90 07
Arc Rating 5,5 cal/cm², PPE 1



CANTEX JERSEY AT - 6372 89 94
Arc Rating 5,1 cal/cm², PPE 1



MERINO RX - 6315 90 07
Arc Rating 5,5 cal/cm², PPE 1

SKIN PROTECTION



MERINO BX - 6309 90 82
Arc Rating 10,9 cal/cm², PPE 2



CANTEX PIQUE - 5949 89 03
Arc Rating 6,3 cal/cm², PPE 1



CANTEX PRO 145 - 5770 91 94
Arc Rating 5,2 cal/cm², PPE 1



MERINO RX - 6315 90 07
Arc Rating 5,5 cal/cm², PPE 1

INSULATION



MERINO TX - 6330 90 07
Arc Rating 12,7 cal/cm², PPE 2



CANTEX TERRY - 5075 89 94
Arc Rating 17,8 cal/cm², PPE 2



CANTEX TERRY - 6375 89 94
Arc Rating 17,8 cal/cm², PPE 2

SHIELD



TERA TX - 5830 81 94
Arc Rating 9,5 cal/cm², PPE 2

SHIELD



TERA TX - 5830 81 94
Arc Rating 9,5 cal/cm², PPE 2

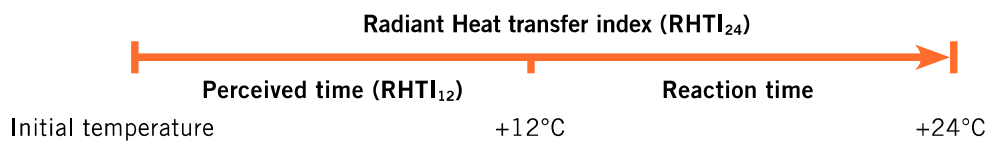


EN ISO 11612 - RADIANT HEAT (C)

When combining different garments together, the level of protection increases against a number of flame related risks including radiant heat.

The fabrics are tested according to EN ISO 11612 and code letter C measures the fabrics ability to block the radiant heat. The test results in two values; the time it takes for you to sense the heat through the fabric i.e. a temperature increase by 12°C (Perceived time, $RHTI_{12}$) and the time it takes for the skin temperature to increase by 24°C, (Radiant Heat transfer index, $RHTI_{24}$). The reaction time is the time the user has to react and move away from the source to avoid injury through burns.

Test result C1, gives you a Radiant Heat transfer index ($RHTI_{24}$) of 7-20 seconds. To reach C2 you need 2 or 3 layers of garments which increase the Radiant Heat transfer index ($RHTI_{24}$) to 20-50 seconds i.e. it increases the protection from the source.



Time (s)	2 layer system Magma HV Merino RX	2 layer system Outback HW Cantex JX	2 layer system Cantex 2.0 Cantex JX	1 layer Magma HV	1 layer Outback HW	1 layer Cantex 2.0
Class	C2	C2	C2	C1	C1	C1
$RHTI_{12}$	15,0	16,1	15,5	9,9	9,8	7,8
$RHTI_{24}$	25,8	28,3	26,6	17,2	17,9	14,2

YOU

SKIN PROTECTION

SHIELD



RADIANT HEAT
C2
 $RHTI_{24}$
28,3 s

RADIANT HEAT
C2
 $RHTI_{24}$
26,6 s

RADIANT HEAT
C2
 $RHTI_{24}$
25,8 s



CANTEX JX - 5940 92 03
Radiant heat C1



CANTEX JX - 5940 92 03
Radiant heat C1



MERINO RX - 6315 90 07
Radiant heat C1



OUTBACK HW - 5535 86 67
Radiant heat C1



CANTEX 2.0 - 5736 88 94
Radiant heat C1



MAGMA HV - 5636 87 94
Radiant heat C1