



Creswick Woollen Mills Wool/Aramid Personal Protection Blankets

In conjunction with the CFA and NSW Rural Fire Service, Creswick has developed two world class Personal Protection blankets. Utilising high tensile strength Aramid we have created a unique state of the art fabric, blending high quality Australian Wool with the strongest commercially available fibre, Aramid. As a Personal Protection Blanket the natural qualities of the wool act as an insulator, enhanced by a fibre that becomes eight times as strong as steel fibre.

Australian Fire Authorities recommend when caught in a fire to take cover in your vehicle. They advise to get down as low as possible in the backseat below window level and to cover up with a woollen blanket until the fire passes. Once you feel a reduction in heat, it is time to get out of the vehicle and move to safety. It is recommended when travelling in the country to carry woollen blankets in your car for this purpose.

Creswick's blankets are more than just your ordinary woollen blanket, with the addition of Aramid they offer better protection than any other blanket on offer in Australia.

Aramid – What is it?

Aramid fibres are a class of heat-resistant and strong synthetic fibres (high density nylon). This fibre, which handles similarly to normal textile fibres, is characterized by its excellent resistance to heat, as it neither melts nor ignites in normal levels of oxygen. It is used extensively in the production of protective apparel, air filtration, thermal and electrical insulation as well as a substitute for asbestos.

Aramid demonstrates:

- Good resistance to abrasion
- Good resistance to organic solvents
- Nonconductive
- Degradation starts at over 500°C
- Low flammability
- Good fabric integrity at elevated temperatures



Creswick's R2 Wool/Aramid Personal Protection Blanket:

This blanket was developed in conjunction with the NSW – Rural Fire Service. Meeting and exceeding the AS4824(int) standard our blanket is used in all trucks and vehicles operated by this Fire Authority. The blanket is a combination of Wool and Aramid, at 500gsm it is classed as a single use blanket and to be disposed of once exposed to a fire. The blanket is red in colour and can have a logo or instructions printed on the blanket. A canvas bag can be supplied for storage at an additional charge.

Creswick's DC10 Wool/Aramid Personal Protection Blanket:

This blanket was developed in conjunction with the VIC – Country Fire Authority. Meeting and exceeding the AS4824(int) standard our blanket is used in all trucks and vehicles operated by this Fire Authority. The blanket is a combination of Wool and Aramid, at 780gsm it is classed as a multi use blanket. It has been made at a heavier weight than the R2 so that it is strong enough to be used again or as a stretcher once it has already been through a fire. The blanket is red in colour and can have a logo or instructions printed on the blanket. A canvas bag can be supplied for storage at an additional charge.

OUR BLANKETS UNDER FIRE

R2 (RFS)

500gsm - 180cm x 200cm – Wool/Aramid Blend –Red

Category Tested ISO Standard RFS Requirement Creswick Result

- Tensile Strength ISO5081 250N Length: 482N
- Width: 431N Passed
- Tear Strength ISO 4674 25N Length: 99.4N
- Width: 64N Passed
- Heat Transfer (Radiation) ISO 6942 t 14s t = 15s Passed
- Heat Transfer (Flame) ISO 9151 HTI24 13s HTI24 17s Passed
- Flame Spread EN 532: 1995 3s Os Passed (Surface Exposure)
- Dimensional Change ISO 3175 3% Shrinkage Length: 2% 230C
- (Heat Resistance) Width: 2% Passed
- The blanket stitch utilises Flame Retardant Conex yarn.

DC10 (CFA)

780gsm – 180cm x 200cm – Wool/Aramid Blend – Australian Made – Red

Category Tested ISO Standard CFA Requirement Creswick Result

- Tensile Strength ISO5081 450N Length: 563N
- Width: 535N Passed
- Tear Strength ISO 4674 25N Length: 70.9N
- Width: 114N Passed
- Heat Transfer (Radiation) ISO 6942 t 22s t = 23s Passed
- Residual Strength ISO 5081 75N Length: 478.5N
- (Post Heat Exposure) Width: 215.5N Passed
- Heat Transfer (Flame) ISO 9151 HTI24 17s HTI24 19s Passed
- Flame Spread EN 532: 1995 2s Os Passed (Surface Exposure)
- Dimensional Change EN 469: 1995 5% Shrinkage Length: 2.1% 230C
- (Heat Resistance) Annex A Width: 5.0% Passed
- The blanket stitch utilises Flame Retardant Conex yarn.