

## MASK REGULATIONS

As per the government guidelines released on the 24 April 2020, the key takeaways for masks are:

- A fabric or cloth mask (non-medical mask) is not a replacement for other precautionary measures and must be used in combination with other hygienic methods of prevention.
- The objective of the mask is to be a barrier to droplets secreted during talking, sneezing, or coughing
- Using three layers, selecting a non-woven fabric with strong filtering capability (barrier efficiency) as the middle layer (with accompanying inner and outer layers providing comfort, structure, and some additional protection) is recommended. Ideally middle layer should be removable.
- Guidelines for fabric:
  - Inner layer – purpose is to provide comfortable layer next to the skin. Fabric should be water repellent and have a remarkably high permeability. Synthetic fibres are recommended
  - Middle layer – primary function is to trap particles 5 micron and larger. Should be non-woven, removable, and not inhibit breathing or create heat load.
  - Outer layer – woven, should not allow liquids to move through them, have water repellent properties. Should not restrict breathing, firmer fabric will help the mask hold its shape.
- Masks must be:
  - Breathable
  - Should fit properly and be comfortable to wear
  - Should cover 50% of the nose and 25mm under the chin
  - Cleaning and disinfection should be easy to carry out at home
  - Separate filter should be removable and be a size of 120mm x 100 mm
  - Masks must be accompanied by clear instructions

The masks made by **Headwear24 (Pty) Ltd** follow and surpass the above guidelines:

- Inner Layer: Peached Tricot warp knit 200gsm - cool, comfortable, and high breathability.
- Middle Layer: ISO14644 certified, non-woven fabric designed to trap 95% of micro particles above 5um (microns) to help fight against Covid-19. Key to reducing the rate of infection is to disrupt the transport system of the virus. The filter system that our mask uses does exactly that, by trapping any particle that are 5um (microns) or above. (Size is 15cmx9cm which exceeds the min requirement by 15cm<sup>2</sup>)
- Outer Layer:
  - Option 1: P30 100% POLYESTER WOVEN FABRIC 170gsm / *Anti-microbial coating / Water resistant*
  - Option 2: TRI-FLEX 100% POLYESTER 210gsm / *Water repellent / Firm handle for shape*
  - Option 3: TWILL 100% POLYESTER 200gsm / *Water repellent / Firm*
  - Option 4: P20 FLOW 100% POLYESTER WOVEN FABRIC 150gsm / *Anti-microbial coating / Water resistant. \*Our lightest and most comfortable!*

The mask has been designed with a contoured shape to correctly fit over 50% of the nose and has elastic straps with a toggle for adjustability and perfect fit. Packaging includes cleaning and sterilizing instructions.