

CLAIMS

1. A moisture wicking layer for incorporation into a gusset for a protective garment, the gusset layer being a double knit fabric constructed from yarn, wherein a first portion of the yarns are hydrophilic and a second portion of the yarns are hydrophobic, whereby a technical face of the fabric forms an eyelet mesh utilising both hydrophilic and hydrophobic yarns and a technical back of the fabric forms an interlock utilising only hydrophilic yarns, and whereby the hydrophobic yarns only outwardly present to the technical face of the fabric, and the technical face forms eyelet openings formed by a tuck stitch being held in a repeated pattern to expose the underlying hydrophilic yarns of the technical back to wick moisture away from the technical face.
2. A moisture wicking layer according to claim 1 comprising absorbent cotton yarn.
3. A moisture wicking layer according to claim 2, wherein approximately 25% of the cotton yarn is chemically treated to make it hydrophobic.
4. A moisture wicking layer according to claim 1, 2 or 3, wherein the technical face is a 2 course repeat of 1 course hydrophilic yarn x 1 course hydrophobic yarn.
5. A moisture wicking layer according to any one of the preceding claims, wherein the tuck stitch being held is hydrophobic yarn.
6. A gusset for a protective garment, that includes a moisture wicking layer according to any one of claims 1 to 5, together with a moisture absorbing layer and a moisture impermeable layer.
7. A protective garment with a gusset according to claim 6.
8. A moisture absorbing layer for incorporation into a gusset for a protective garment, the gusset layer having a sinker terry fabric knit comprising sinker loops with plush loops protruding from the fabric knit on at least one side, wherein the plush loops are made from synthetic fibres treated with a hydrolysing enzyme that splits the fibres into fibrils.
9. A moisture absorbing layer according to claim 8, wherein the plush loops protrude from one side or both sides.

10. A moisture absorbing layer according to claim 8, wherein, when the plush loops protrude from only one side, the other side may be laminated with a moisture impermeable sheet.
11. A gusset for a protective garment that includes at least one moisture absorbing layer in accordance with any one of claims 8 to 10, together with a moisture wicking layer and a moisture impermeable layer.
12. A gusset for a protective garment according to claim 11, wherein the moisture wicking layer is according to any one of claims 1 to 5.
13. A protective garment with a gusset according to claim 11 or 12.
14. A moisture impermeable layer for incorporation into a gusset for a protective garment, the gusset layer including a base fabric knit laminated with a polyurethane sheet.
15. A moisture impermeable layer according to claim 14, wherein the base fabric knit is a polyester jersey.
16. A gusset for a protective garment, that includes a moisture impermeable layer according to claim 14 or 15 together with a moisture wicking layer and a moisture absorbing layer.
17. A gusset according to claim 16, including a moisture wicking layer according to any one of claims 1 to 5 and a moisture absorbent layer according to any one of claims 8 to 10.
18. A gusset for a protective garment, that includes a moisture absorbing layer according to any one of claims 8 to 10, and a moisture impermeable layer according to any one of claims 14 or 15, together with a moisture wicking layer.
19. A gusset according to claim 18, wherein the moisture wicking layer is according to any one of claims 1 to 5.
20. A garment having a gusset according to any one of claims 16 to 19.