RUGGER & TOUGH

Browse through our Industrial Wear Catalog. The Items that are on our website are the items we stock. However we can special order most of the items in this catalog.Some limitations may apply To get Current Pricing and Availability Call 1-800-561-3600 or email info@bapequipment.com

Polymer Film vs. Woven-coated

Polymer film garments

Polymer film garments are made from material such as PVC (Poly Vinyl Chloride), PU (Polyurethane), and Neoprene. They excel in splash protection but are generally poor with puncture and abrasive protection.

Woven-coated fabrices

Woven-coated fabrics are made from nylon, or polyesters. They are tough, hard to rip or tear but offer limited protection against chemicals.

Understanding Each Material

PVC (Polyvinyl chloride)

PVC is the most economical material. It has good chemical resistance, which increases with thickness; has a low melting temperature of 160°C / 320°F which allows for heat welding seams to form unibody garments; has low tensile strength and is easy to tear and puncture if not impregnated with a supporting fabric. Rainwear described as "PVC" denotes an unsupported PVC fabric (generally disposable); "PVC/POLY" denotes a supported fabric backing that has been "Skimmed" (Pressed) onto the PVC film that gives tensile support to resist tearing; and "PVC/POLY/PVC denotes a supported fabric backing that is "Sandwiched" between two PVC film layers to give maximum tensile support as well as reduce risk of delamination from exposure to acids, fats, and oils. Produced in thicknesses from .20mm to .65mm, thicker garments offer superior durability and chemical protection, with industrial grade being .45mm. PVC rainwear offers the highest level of waterproof, windproof, and splash protection, and is easy to clean. PVC garments are designed for low to mild risk industries, and depending on garment thickness, can be used as a disposable garment or as a heavyduty garment.

The downside to PVC rainwear is that it is heavy, and rigid in feel. PVC rainwear should feel pliable to the touch. Hardness is an indicator that the material has fillers in it, which are cheaper but also significantly impact the durability (they will degrade faster from sun and chemical exposure), as well as their tensile strength (tearing and puncture). Backing fabrics should also be examined, with tighter woven fibers being superior to loose threads. If you can see through the backing, most likely it will tear easily.

PU (Polyurethane)

An alternative for PVC which is 100% waterproof and provides splash protection. Polyurethane is a more expensive material, PU has fair chemical resistance which increases with thickness, has a low melting point of 240°C / 464°F which allows for heat welding seams to form unibody garments, and its porous property gives it varying degrees of breathability. PU is a very soft material that requires a supportive fabric backing, is lighter in weight than PVC and stretches easily, but has low abrasion resistance.

The downside to PU rainwear is that it is very soft with low tensile strength, so it will tear easily. PU is a porous material, and when it stretches can open these pores allowing water to absorb through (most common on pant seat). PU garments are designed for low risk, light duty use. High quality fabric backing can be used to restrict stretching, increasing the fabric's waterproofness while also allowing for higher levels of breathability. Generally these fabrics are more than double the cost of basic PU garments.

Neoprene

Specialized fabrics produced with materials like Neoprene offer similar properties as PVC (above) with superior chemical, thermal, and abrasion resistance. These are uniquely designed for chemical plants, mining and oil refineries. These are generally the most expensive of the polymer film garments.

Nylon

Nylon is one of the strongest fibers, with high tensile, tear and puncture resistance. Fabrics with thread thicknesses of 300D – 420D (Denier) are used in high impact industries like forestry, lumber yards, metal shops due to their high resistance to tearing and puncture. Nylons are 20% - 25% more expensive than polyesters, are stiffer in feel, and classified as medium weight. Nylons do not hold dyes very well; as such they cannot meet the high visibility requirements of CSA or ANSI retroreflective materials.

Polyester

Polyester has excellent dye retention and is the fabric of choice in the high visibility market. Polyester is lighter in weight, with low tensile, tear and puncture resistance. Given the weakness of polyester fabric, Viking[®] designed our Tri-lobal fabric that more than quadruples the tensile, tear and puncture resistance of oxford polyester (flat weave). Tri-lobal polyester will meet the durability needs of construction, mining, and forestry industries.

How does it keep me dry and warm?

How does woven fabric become waterproof?

In order for a woven fabric to become waterproof, or waterproof/breathable, a spray coating or a laminated film of PU or PVC is applied to create a barrier that droplets of water cannot pass through (waterproof).

PVC-coated

PVC coating offers superior waterproofness as it is solid and non-porous (generally over 10,000 mm w.c. (withstands 14 psi or 980 mbar of hydrostatic water pressure), with zero breathability. PVC coated wovens are typically designed for climates between -5°C to +18°C with high precipitation and winds, in heavy-duty applications.

PU-coated

PU-coated wovens are frequently mislabelled as Waterproof/Breathable, as PU is a porous film. All PU coatings will demonstrate some level of breathability when tested, however depending on the quality of PU, as well as the coating methodology, the Water Vapour Transmission level can be as low as 300 g/m2/24 hours, whereas the industry expectation for breathability is a minimum of 5,000 g/m2/24 hours. PU coatings are applied in layers with waterproofness increasing with the number of coating, waterproof PU coated wovens should be able to resist water penetration under a Hydrostatic Water Pressure test of a minimum of 7 psi, or 490 mbar.

All coated wovens must be tape sealed on the seams to prevent water from penetrating through the sewn fabric layers.



Open Road® Light Industrial

- 100% Waterproof and windproof
- Industrial quality 0.30mm PVC/Polyester/PVC material
- Low-cost, lightweight, semi-disposable garment
- Fair chemical splash protection
- · Welded and stitched seams for durability
- Sold as a 3-piece suit

Jacket

- · Detachable hood with adjustable drawstring
- Cotton corduroy collar for comfort
- · Cooling vents behind jacket an underneath arms
- 2 large storage pockets outside
- Wrist snap adjustors

Bib Pants

- Elastic suspenders
- Adjustable waist snap panel
- Snap fly access
- Boot cuff snap adjustors



Open Road[®] Light Industrial Long Coat

- 100% Waterproof and windproof
- Industrial quality 0.35mm PVC/Polyester/PVC material
- For the convenience of wearing over shirts, pants and footwear providing full body protection from rain, industrial liquids such as chemicals, animal fats and motor oil with the ease of taking the coat off when finished
- Detachable hood with adjustable drawstring
- · Welded and stitched seams for durability
- Cotton corduroy collar for comfort
- · Cooling vents behind coat and underneath arms
- 2 large storage pockets outside
- Adjustable wrist snaps

Size S - 3XL

- ¾ Length for superior foul weather protection
- Hood included; 2 pieces packaged in a clear pouch
- 2120BK has a slit at the back up to the waist with snap closure

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2120BK

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Viking Handyman[®]

- 100% Waterproof and windproof
- Industrial quality 0.35mm PVC/Polyester/PVC material
- Light to medium risk chemical splash protection
- · Good chemical protection against acids, animal fats, and motor oils
- Reusable, durable construction
- · Welded and stitched seams for durability
- · Generous sizing for comfort and mobility
- Sold as a 3-piece suit
- Packaged in a clear pouch

Jacket

- Detachable hood with adjustable drawstring
- Cotton corduroy collar for comfort
- Cooling vents behind jacket and underneath arms on the side
- 2 large storage pockets outside

Bib Pants

- · Elastic suspenders
- · Adjustable waist snap panel
- · Snap fly access
- Snap adjustable boot cuffs

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Size S - 3XL





- 100% Waterproof and windproof
- Premium 0.45mm PVC/polyester material
- Medium to heavy risk chemical splash protection
- Excellent chemical protection against acids, animal fats, and motor oils
- Solid construction provides maximum wind and water protection
- Welded and stitched seams for durability

Jacket

- Multiple cooling vents
- Heavy-duty chrome plated brass snaps and a dual button snap closure system
- Cotton corduroy collar for comfort
- · Hood sold separately

Hooded Jacket

- Heavy-duty chrome plated brass snaps and a dual button snap closure system
- · Hood attached to jacket

Bib Pants

- · Heavy-duty elastic suspenders and reversible bib
- Adjustable waist panel
- · Large zip pocket and pen holder behind bib

4110J available in XS - 5XL 4110P available in XS - 4XL Size **S - 3XL**





2110Y





Viking[®] Norseman[®] Jacket and Bib Pants

- 100% Waterproof and windproof
- Ideal for fish/food processing as tough, sandwich fabric will not delaminate with exposure to animal or fish oil
- Tough 0.45mm PVC/Polyester/PVC flexible fabric material providing superior resistance to delamination
- · Welded and stitched seams for durability
- · Medium to heavy risk chemical splash protection
- · Excellent chemical protection against acids, animal fats, and motor oils
- Good protection against foul weather wind and cold protection
- Adjustable hood attached to jacket
- Adjustable waist panel
- · Heavy-duty elastic suspenders, and reversible bib
- Heavy-duty chrome plated brass snaps and a dual button snap closure system

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3125J







Viking Journeyman[®]

- · 100% Waterproof and windproof
- Ideal for fish/food processing as tough, sandwich fabric will not delaminate with exposure to animal or fish oil
- Tough 0.45mm PVC/Polyester/PVC material; superior resistance to delamination
- · Medium to heavy risk chemical splash protection
- Excellent chemical protection against acids, animal fats, and motor oils
- · Good protection against foul weather wind, and cold protection
- 2" prism reflective safety stripes
- · Generously sized for working comfort
- · Double welded and stitched seams for durability

Jacket

- Dual button snap closure system
- Vented back for breathability
- Cotton corduroy collar for comfort
- · Hood (6212) sold separately

Bib Pants

- · Heavy-duty elastic suspenders
- Reversible bib design
- · Adjustable waist panel for ease of entry
- Large zip pocket, and pen holder behind bib

6210P available in S - 3) Size S - 4XL



Viking[®] Bristol Bay

- 100% Waterproof and windproof
- · Heavy-duty 0.75mm PVC with 9 oz. cotton twill backing
- Excellent for chemical splash protection against acids, animal fats, and motor oils
- Resistant to the effects of sunlight and seawater
- · Generous sizing for working comfort
- · Double welded and stitched seams for durability
- Heavy-duty chrome plated brass snaps

Jacket

- Double snap system on placket for extra rain and wind protection
- Neoprene stretch storm cuffs with nylon reinforcement
- · Large visored hood with drawstring

Bib Pants

- Second 0.35mm layer of PVC/polyester welded on pants for extra wear resistance
- Adjustable waist panel
- · Heavy-duty elastic suspenders

For Current Pricing and Availability Call 1-800-561-3600 or email info@bapequipment.com

8125J, & 8110P available in S - 3XL Size **S - 2XL**



PU

Viking[®] Norseman[®] PU

- 100% Waterproof and windproof
- Lightweight premium 170g/m² PU-coated polyester knit
- 4-Way stretch fabric provides maximum freedom of movement and flexibility
 even in cold conditions
- Generous sizing for working comfort
- · Heat-welded and stitched seams for durability

Jacket

- · Detachable hood with elastic draw-cord and toggle adjusters
- Double front storm placket with snap closure
- Locker loop inside neck
- 2 front pockets with hook-and-loop flap closure
- Adjustable snap sleeve cuffs
- Drop back

Bib Pants

- · Heavy-duty elastic suspenders with quick release buckle
- Side gusset with adjustable snaps
- Locker loop inside back waistband
- Zip pocket on the inside of front bib
- Adjustable nylon trimmed snap leg cuffs





Size S - 4XL





Open Road® 150D

- 100% Waterproof and windproof
- Durable 150 Denier Trilobal ripstop polyester with PVC backing
- Sold as a 3-piece suit
- · Double stitched, taped, and heat-sealed seams to maximize waterproofness

Jacket

- · Multiple front and back vents for breathability
- · Adjustable wrists
- · Cotton corduroy collar
- · 2 large pockets
- · Detachable and adjustable hood

Bib Pants

- · Adjustable quick release buckle on elastic suspenders
- · Fly access with hook-and-loop closure
- · Adjustable cuffs with hook-and-loop fasteners
- · Generously sized protective bib with elastic waist

Long Coat

- · Multi vents provide added ventilation
- · Adjustable cuffs with hook-and-loop fasteners
- · Front zipper and hook-and-loop storm flap closure
- · Detachable hood and two large storage pockets

Also available in the US: Jacket and Bib Pants Sold Separately

• 2910JG and 2910JY: Jacket is attached with hood, and does not feature a corduroy collar

• 2910PG and 2910PY: Bib pants



Viking Journeyman[®] 420D

- 100% Waterproof and windproof
- · Perfect for high abrasion, snagging industries. Nylon fabric is superior in tear resistance. Ideal for forestry/lumber yard
- · Heavy-duty 420 denier nylon with PVC backing gives superior resistance to
- · Toughest fabric to resist punctures, rips, snags, and abrasions
- · Double-stitched, taped, and heat-sealed seams to maximize waterproofness
 - · Full mesh lining for breathability
 - · Fully lined detachable hood can be stuffed into fleece-lined collar
 - · Heavy-duty zipper covered with storm flap
 - · Reflective safety piping on front and back
 - · 4 vents on the front, and 4 vents on the back for breathability
 - 2 large lined zipped pockets
 - · 1 inner chest zipped pocket
 - · Adjustable cuffs with hook-and-loop fasteners
 - Embroidery zipper included

Bib Pants

Detachable bib/waist design

- · Heavy-duty adjustable quick release elastic suspenders
- · Elasticized waist
- · Zippered fly access with hook-and-loop flaps
- · Fully lined for comfort
- 13" Boot zipper featuring flap closure and adjustable cuff with hook-andloop fasteners for venting and easy access

For Current Pricing and Availability Call 1-800-561-3600 or email info@bapequipment.com



Viking Journeyman[®] 300D Trilobal

- · Heavy-duty 300 denier Trilobal ripstop polyester with PU backing
- · 2" Reflective safety strips
- · Double-stitched, taped, and heat-sealed seams to maximize waterproofness
- · Waterproof and windproof

Jacket

- Compliant with CSA Z96-15 Class 2 level 1
- · Resistant to abrasion, puncture, rips, and snags
- · Flexible in sub-zero conditions
- · Multiple vents, and full mesh lining
- · 2 front pockets, and 1 chest cell pocket
- · Fleece lined collar for comfort
- Detachable and adjustable lined hood
- Hood (3010H) sold separately

Bib Pants

- Compliant with CSA Z96-15 Class 2 level 1
- Detachable bib design
- · Heavy-duty adjustable elastic suspenders with quick release buckle
- · Elasticized waist
- · Zippered fly access with hook-and-loop flaps
- Fully lined for comfort
- 13" Boot zipper featuring flap closure and adjustable cuff with hook-andloop fastener for venting and easy access

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March 1



3010J

Viking Professional® THOR 300D Trilobal

- Tough 300 denier Trilobal rip-stop polyester
- · Fully taped and heat-sealed seams
- · Lighter weight, with superior durability, abrasion- and tear-resistant ripstop fabric
- · Double-stitched, taped, and heat-sealed seams to maximize waterproofness
- · Waterproof/breathable and windproof

Jacket

Size S - 4XL

- · Waterproof pit zip vents with mesh lining
- · Heavy-duty zipper with double overlapping storm flap for weather protection
- · Safety reflective piping in front and back
- · Adjustable wrist with hook-and-loop fasteners to seal out rain and wind
- · Stormblaster® hood reduces wind and rain exposure up the back of the jacket, while orienting the front close to the chin and cheek area. It has a safety tear away design, making it easy to remove and attach.
- · Embroidery zipper included
- · 2 front pockets, 1 chest pocket, and 1 inner pocket
- 3-in-1 zipper and snaps system is compatible with Viking® 402NB or
- 408BK jacket and becomes 3-in-1 stroller jacket

Bib Pants

- · Double layer knees with knee pad access/drain hole
- · 7 assorted size tool pockets with rivets on corners for strength
- · Waterproof fly access zipper
- · 2 storage pockets and pen holder on bib
- 13" boot zip featuring adjustable cuff with hook-and-loop fasteners for venting and easy access
- · Heavy-duty adjustable elastic suspenders with quick release buckle
- · Hammer/ tool hold loops on hip and rear pocket
- · Adjustable waist

Size S = 3XL





3910JB



ORC10N



Open Road® Coveralls

- Lightweight 220 gsm (7oz/yd²) 65/35 poly/cotton fabric
- Designed with strong zippers and reinforced hemstitching to increase washing performance and wear resistance
- Constructed with a two-way breakaway front brass zipper and exterior storm
 flap closure for safety
- · Back and crotch gusseted for ease of movement and maximum comfort
- Back waist is elasticized
- Anti-Puncture Pocket (APP) technology with reinforced stitching to prevent sharp objects from puncturing through
- 2 front upper pockets, 2 large rear pockets, 2 lower front pockets, and 2 pass through pockets
- · Tool pocket on right leg with hammer loop
- · Left sleeve pencil pocket
- Ultraviolet Protection Factor 50+ Rating (UPF)

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Regular Size XS - 4XL		
Tall Size LT - 3XLT	UPF 5🕸 🕇	

Viking[®] Coveralls

- Fully compliant with CSA Z96-15 Class 1, Level 2
- Fully compliant withANSI/ISEA 107-2015 Type O, Class 1, not FR
- 2" Vi-brance® reflective material in 4" contrasting tape meets WCB/Worksafe/DOT configuration
- Durable 270 gsm (8 oz/yd²) 65/35 poly/cotton fabric provides superior abrasion and tear resistance
- Fully featured design with strong zippers and reinforced hemstitching to increase washing performance and wear resistance
- Constructed with a two-way breakaway front brass zipper and exterior storm flap closure for safety
- · Back and crotch gusseted for ease of movement and maximum comfort
- Back waist is elasticized
- Anti-Puncture Pocket (APP) technology with reinforced stitching to prevent sharp objects from puncturing through
- 2 front upper pockets, 2 large rear pockets, 2 lower front pockets, and 2 pass through pockets
- · Dual reflective chest straps
- Tool pocket on right leg with hammer loop
- Left sleeve pencil pocket
- · Heavy-duty 18" brass boot zipper for venting and easy access
- Ultraviolet Protection Factor 50+ Rating (UPF)





Viking[®] Overalls

- Fully compliant with CSA Z96-15 Class 1, Level 2
- Fully compliant with ANSI/ISEA 107-2015 Type O, Class 1, not FR
- 2" Vi-brance® reflective material in 4" contrasting tape meets WCB/Worksafe/DOT configuration
- Durable 270 gsm (8 oz/yd²) 65/35 poly/cotton fabric provides superior abrasion and tear resistance
- Extra strong front brass #5 tooth self locking zipper
- Anti-Puncture Pocket (APP) technology with reinforced stitching to prevent sharp objects from puncturing through
- Fully hemstitched seams eliminates unravelling
- Gusseted crotch for added mobility and maximum comfort
- 2 Front upper pockets, 2 large back pockets with reinforced bartacked corners
- Tool pocket on right leg with hammer loop
- 2 lower front pockets and 2 pass-through pockets
- · Silver reflective suspender with quick release buckle
- · Heavy-duty 18" brass boot zipper for venting and easy access
- Ultraviolet Protection Factor 50+ Rating (UPF)

For Current Pricing and Availability Call 1-800-561-3600 or email info@bapequipment.com





VC400

INSULATED COVERALLS

Viking[®] Insulated Coveralls

- Fully compliant with CSA Z96-15 Class 1, Level 2
- Fully compliant with ANSI/ISEA 107-2015 Type O, Class 1, not FR
- 2" Vi-brance® reflective material in 4" contrasting tape meets
- WCB/Worksafe/DOT configuration
- Lightweight 220 GSM ThermoMAXX* insulation provides warmth up to $-30^{\circ}\text{C}/\text{-}22^{\circ}\text{F}$
- 270 GSM (8 $\text{oz/yd}^2\text{)}$ 65/35 poly/cotton fabric provides superior abrasion and tear resistance
- Insulated detachable hood
- Fully featured design with strong zippers and reinforced hemstitching to increase washing performance and wear resistance
- Constructed with a two-way breakaway front brass zipper and exterior storm flap closure for safety
- · Back and crotch gusseted for ease of movement and maximum comfort
- Anti-Puncture Pocket (APP) technology with reinforced stitching to prevent sharp objects from puncturing through
- Back waist is elasticized
- Dual reflective chest straps
- 2 Front upper pockets, 2 large lower front pockets, 2 large rear pockets
- Tool pocket on right leg with hammer loop
- · Heavy duty 18" brass boot zipper for easy access, 7" internal kick panel
- · Left sleeve pencil pocket
- Ultraviolet Protection Factor 50+ Rating (UPF)





VC500



Viking[®] Insulated Parka

- Fully compliant with CSA Z96-15 Class 1, Level 2
- Fully compliant with ANSI/ISEA 107-2015 Type O, Class 1, not FR
- 2" Vi-brance $^{\otimes}$ reflective material in 4" contrasting tape meets WCB/Worksafe/DOT configuration
- 280 gsm ThermoMAXX® insulation provides warmth up to -50°C/-60°F
- 270 gsm (8 oz/yd²) 65/35 poly/cotton fabric provides superior abrasion and tear resistance
- Insulated detachable hood
- Fully hemstitched seams eliminates unravelling
- Constructed with a two-way YKK $^{\otimes}$ #8 front zipper and exterior storm flap closure
- Dual reflective chest straps
- 2 Front upper pockets, 2 large lower front pockets, and 1 inner chest pocket
- Left sleeve pencil pocket
- Ultraviolet Protection Factor 50+ Rating (UPF)

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INSULATED OVERALLS



- Fully compliant with CSA Z96-15 Class 1, Level 2
- Fully compliant with ANSI/ISEA 107-2015 Type O, Class 1, not FR
- 2" Vi-brance® reflective material in 4" contrasting tape meets WCB/Worksafe/DOT configuration
- 280 gsm ThermoMAXX® insulation provides warmth up to -50°C/-60°F
- 270 gsm (8 $\text{oz/yd^2})$ 65/35 poly/cotton fabric provides superior abrasion and tear resistance
- Extra strong front YKK® #8 zipper
- Anti-Puncture Pocket (APP) technology with reinforced stitching to prevent sharp objects from puncturing through
- Fully hemstitched seams eliminates unravelling
- · Gusseted crotch for added mobility and maximum comfort
- 2 Front upper pockets, 2 lower front pockets, and 2 large back pockets with reinforced bartacked corners
- Tool pocket on right leg with hammer loop
- · Silver reflective suspender with quick release buckle
- Heavy-duty 18" YKK $^{\otimes}$ #8 boot zipper for venting, and easy access, with 7" internal kick panel
- Ultraviolet Protection Factor 50+ Rating (UPF)







VC50PN



Size S - 4XL