

TINGLEY

A TRADITION SINCE 1896

Protective Footwear & Clothing



ISO 9001 Certified

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Protective Footwear

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Tingley offers the broadest selection of injection molded over-the-shoe footwear in the industry. Our line offers options of materials and styles to meet a wide range of protection and application requirements. We offer injection molded overshoes in Natural Rubber and PVC (Polyvinyl Chloride). We complement this offering with both steel toe safety and slip resistant ice traction overshoe products.

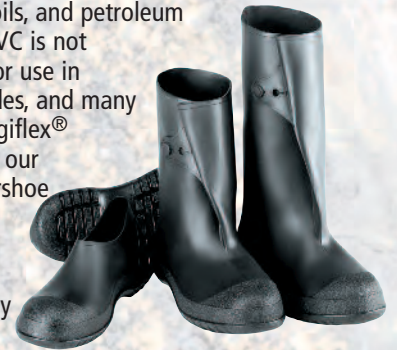
Our overshoe products allow users to wear their normal work shoes, while having protection against the environment. Overshoes are the perfect choice when the protective requirements are intermittent or weather driven.

Material Selection: Before choosing a material where contact with a given chemical may occur, the users should perform their own tests. If highly toxic chemicals are present, special care must be taken into consideration when choosing the correct protective product. This care should include daily inspections to ensure that normal wear and tear have not reduced the integrity of the product. Depending on the toxicity level of the chemical, products should be disposed of if intimate contact with the chemical has occurred.

Natural Rubber: Has outstanding stretch for easier on and off, and excellent low temperature properties allow the material to stay supple in cold temperatures. It has superior slip, puncture, and cut resistance as compared to PVC. Rubber resists bases, acids, alcohols, and diluted water solutions of most chemicals that are water-soluble. It is a hydrocarbon and does not withstand constant contact with petroleum and oil based solvents.



PVC (Polyvinyl Chloride): Is a synthetic thermoplastic polymer that provides good protection against animal fats, many acids, alcohols, alkalis, bases, oils, and petroleum hydrocarbons. PVC is not recommended for use in ketones, aldehydes, and many solvents. Our Frigiflex® formula, used in our Workbrutes overshoe line, has good stretch and low temperature properties to stay supple in cold weather.



INJECTION MOLDED OVERSHOE FEATURES



1. Seamless construction for 100% waterproof protection.
2. More material in heel, toe, and sole for longer wear.
3. Less material in the upper results in lighter weight for improved flexibility and less leg fatigue.
4. Sturdy molded button on boot styles for secure closure. No hardware to corrode, conduct, tear, or snag.
5. Full opening gusset on boot styles for easy on and off.
6. Heavy duty heel kick for easy off.
7. No lining. Completely washable. Wipes dry quickly.
8. Deep cleated outsole spits out debris for good slip resistance and longer wear.

Chemical Degradation

Footwear Clothing

Chemical	RISK CODE	Neoprene	Natural Rubber	PVC	Premier PVC	Neoprene**	PVC**	Special PVC	Poly/Nylon**
HYDROCARBONS (OILS)									
ASTM Oil #1	T	E	NR	G	E	G	F	G	G
ASTM Oil #3	NA	E	P	F	E	F	F	F	G
Castor Oil	NA	G	E	G	E	G	P	G	F
Coconut Oil	NA	E	F	F	E	E	G	G	G
Cottonseed Oil	NA	G	P	P	E	G	P	P	G
Cutting Oil - Sulfur Base	NA	G	P	P	E	G	P	G	G
Grease - Pet Base	NA	E	P	P	E	E	P	P	G
Lard	NA	G	P	G	E	G	P	F	F
Linseed Oil	NA	G	P	P	G	G	P	P	G
Mineral Oil	NA	G	P	P	E	G	F	G	G
Olive Oil	NA	G	P	P	E	G	P	P	G
Pine Oil	NA	P	P	P	G	P	P	F	G
Soybean Oil	NA	F	P	P	E	F	NR	F	F
Tallow "Beef Tallow"	NA	G	P	P	E	G	P	F	E
HYDROCARBON (SOLVENTS)									
Benzene*	T	P	P	P	P	P	P	P	P
Benzyl Chloride	T	P	P	P	P	P	P	P	P
Butane	NA	E	P	P	F	E	P	P	F
Carbon Tetrachloride	T	P	P	NR	NR	P	P	F	P
Chloroform	X	P	P	P	P	P	P	P	P
Cyclohexane	V	P	P	F	G	P	P	F	F
Gasoline (Cracked)	X	F	F	F	G	F	F	F	G
Gasoline (SR)	X	G	NR	F	G	G	F	F	G
Hexane	X	E	P	P	G	E	P	P	G
Kerosene (CT) (JET)	X	P	NR	F	G	G	F	F	G
Kerosene (Pet)	X	G	NR	F	G	G	P	G	F
Methyl Cellosolve	NA	G	P	G	G	F	P	P	P
Methyl Chloride	T	NR	P	P	NR	NR	NR	NR	NR
Naptha	X	NR	P	F	G	P	P	F	F
Nitrobenzene	T	NR	P	NR	NR	P	P	P	P
Perchloroethylene	X	P	P	P	F	P	P	P	F
Petroleum Solvent	V	F	P	NR	NR	F	P	F	F
Propane	NA	G	P	F	G	G	F	G	G
Toluene	X	P	P	P	P	P	P	P	F
Trichloroethylene	X	P	P	P	P	P	P	F	F
Trinitrotoluene	NA	F	P	G	G	F	G	G	F
Turpentine	X/S	P	P	P	G	P	F	G	F
Xylene	X	P	P	NR	NR	P	P	F	F
KETONES									
Acetone	V	G	F	P	NR	G	P	P	F
Chloroacetone	NA	G	G	P	P	G	P	P	P
Methyl Ethyl Ketone	V	P	F	P	P	F	P	P	F
ALDEHYDES									
Acetaldehyde	Xi	E	NR	NR	NR	E	F	F	P
Benzaldehyde	X	P	F	P	P	P	P	P	P
Butyraldehyde	Xi	P	NR	F	F	G	P	P	P
Formaldehyde - <37% *	T/S	E	E	E	E	E	G	E	P
Furfural	T	G	F	P	P	G	P	P	F
ALCOHOLS									
Amyl Alcohol	X	E	G	G	G	E	G	E	P
Benzyl Alcohol	Xi	E	G	G	G	E	F	F	NR
Butyl Alcohol	X	E	E	G	G	E	G	G	G
Diacetone Alcohol	Xi	E	P	P	P	E	F	G	F
Diethanolamine	Xi	G	F	P	F	F	NR	F	NR
Ethyl Alcohol	X/S	E	E	G	E	E	G	G	F
Ethylene Glycol	Xi	E	E	E	E	E	G	E	G
Glycerine	NA	E	E	E	E	E	E	E	E
Methyl Alcohol - Methanol	T	E	E	E	E	E	F	G	G
Octyl Alcohol	X	E	E	E	E	E	F	G	G
Propyl Alcohol	X	E	E	E	E	E	F	G	G
Triethanolamine	Xi	G	G	G	G	G	G	G	G

KEY TO FOOTWEAR

NEOPRENE - Hand-made Footwear
 NATURAL RUBBER - Molded Overshoes, Hand-made Footwear
 PVC - Two Stage Injection Molded, Better Grade, Economy, General Purpose, Workbrutes

PREMIER PVC - Two Stage Injection Molded, Premier

KEY TO CLOTHING

NEOPRENE** - Magnaprene
 POLY/NYLON** - Iron Eagle, Eagle
 PVC** - American, DuraScrim
 - PVC Polyester, Double-Ply PVC, PVC Film
 SPECIAL PVC - Wedbri, Safetyflex, Electra

Key to Degradation Ratings: E = Excellent G = Good F = Fair P = Poor NR = Not Recommended
 *A known or potential carcinogen.

**These materials are available in both heat seal construction garments as well as stitch tape seam construction. We recommend a heat sealed garment (Iron Eagle Polyurethane, Safetyflex, DuraScrim) for any application for protective clothing which will encounter a toxic or highly corrosive chemical. Information in this chart is intended as a general guide only. The ultimate determination of suitability of a product for a particular application is the responsibility of the purchaser.

RISK CODES RATINGS: Tx = HIGHLY TOXIC; X = HAZARDOUS TO HEALTH (LESS TOXIC); T = TOXIC; Xi = IRRITANT; Cx = HIGHLY CORROSIVE; S = SENSITIZATION; C = CORROSIVE; V = POTENTIALLY HARMFUL; NA = NOT ASSIGNED

Footwear Clothing

Chemical	RISK CODE	Neoprene	Natural Rubber	PVC	Premier PVC	Neoprene**	PVC**	Special PVC	Poly/Nylon**
ORGANIC ACIDS									
Acetic Acid - Glacial 99%	Cx	E	G	F	F	E	F	F	P
Carbolic Acid - (Phenol) 70%	T/C	P	NR	G	G	F	F	F	P
Citric Acid - <30%	NA	E	E	E	G	E	E	E	P
Formic Acid	Cx	E	E	G	G	E	G	E	P
Lactic Acid	C	E	F	E	E	G	G	E	P
Maleic Acid	Xi	F	F	E	E	E	F	E	G
Oleic Acid	NA	G	P	P	G	G	P	P	E
Stearic Acid	NA	G	P	P	F	G	NR	G	G
Tannic Acid	Xi	E	E	E	E	E	E	E	GE
INORGANIC ACIDS									
Carbonic Acid - H2O	NA	E	E	E	E	E	E	E	E
Hydrobromic Acid	T/Xi	P	G	G	G	P	P	G	P
Hydrochloric Acid - 70%	Xi	F	E	G	G	G	G	E	G
Hydrochloric Acid - <10%	Xi	E	E	G	E	E	G	E	G
Hydrofluoric Acid - Conc. 99.99%	Tx/Cx	P	P	NR	NR	P	F	G	NR
Hydrogen Sulfide-Gas	T/Xi	G	P	G	G	G	G	F	NR
Nitric Acid - Conc. 70%	Xi	P	P	G	G	P	F	F	P
Nitric Acid - 10%	Cx	F	F	E	E	F	F	G	P
Perchloric Acid - Conc. 70%	Cx	G	F	F	F	F	P	G	P
Phosphoric Acid - Conc. 86%	C	E	G	G	G	G	F	G	P
Sulfuric Acid - Conc. 93%	Cx	NR	P	F	F	P	P	G	P
Sulfuric Acid - <30%	C	G	F	G	G	G	P	E	P
SALTS AND ALKALIES									
Ammonium Hydroxide - 30-70%	C	E	P	G	G	E	G	G	P
Ammonium Sulfate	T	E	G	E	E	E	G	E	G
Calcium Chloride - Crys. Del.	X	E	E	E	E	E	E	E	E
Calcium Hypochlorite - Crys. Sol.	T/Xi	G	G	G	G	F	G	E	F
Caustic Potash-Caustic	NA	E	G	E	E	E	G	E	G
Copper Chloride	T	E	E	E	E	E	E	E	G
Copper Sulfate - Crys.	T/Xi	E	G	G	E	E	F	G	G
Ferric Chloride	NA	E	E	E	E	E	E	E	E
Potassium Dichromate -H2O-Sol.	T	E	G	G	E	E	G	G	G
Sodium Hydroxide - Conc. 70%	Cx	E	E	E	E	E	G	G	G
Sodium Hypochlorite - 30%	C	G	F	E	E	G	E	E	G
Tin Chloride	T	G	E	G	G	G	F	G	P
ORGANIC ESTERS									
Amyl Acetate	V	P	F	F	F	P	F	F	P
Butyl Acetate	V	P	P	P	P	P	P	P	F
Dibutyl Phthalate	Xi	F	NR	P	P	F	P	P	P
Ethyl Acetate	V	NR	NR	P	P	G	P	P	F
Ethyl Formate	NA	G	P	F	F	G	F	G	NR
Methyl Acetate	V	G	NR	P	P	G	P	P	F
Propyl Acetate	V	P	P	P	P	P	P	P	P
Tricresol Phosphate	T	F	F	F	F	F	F	F	F
MISCELLANEOUS									
Acrylonitrile*	T	P	P	NR	NR	F	P	P	P
Aniline	T	G	NR	F	F	G	F	F	NR
Battery Acid	C	G	G	G	G	E	G	E	P
Blood	NA	G	F	F	F	G	F	F	F
Butter	NA	E	P	P	G	G	P	P	G
Buttermilk	NA	G	P	F	E	G	G	E	F
Carbon Disulfide	T	P	P	P	P	P	P	P	P
Chlorox (Sodium Hypochlorite 5-6%)	Xi	E	G	E	E	E	E	E	E
Dibenzyl Ether	Xi	G	P	P	P	G	P	P	G
Ethyl Ether	X	F	P	P	F	G	P	P	G
Fish Oil	NA	G	P	P	G	G	P	F	G
Hydrogen Peroxide - 90%	Tx/Xi	P	P	F	F	P	G	E	NR
Milk	NA	E	F	F	E	E	F	G	G
Monoethanolamine	Xi	NR	F	G	G	F	F	G	G
Morpholine	C/X	NR	P	F	F	P	F	F	P
Paint Remover - Acet-Alcoh-MC	Xi	F	P	P	P	F	P	P	P
Soaps	NA	G	G	E	E	G	G	E	F

Risk code ratings and their meanings derived from The Chemical Protective Clothing Performance Index Book. Copyright 1989.

Fit For Work



Our natural rubber work overshoes allow you to work comfortably in the toughest conditions.

New 1300 Hi-Top design will better fit today's larger work shoe styles, including steel toe work boots.
New 2300 Hi-Top is the design and fit of the original 1300

Increased length, fuller vamp and toe box dimensions

Increased dimension of toe, ball, and heel width



New 1300



New 2300 (original 1300)



1300

2300

Overshoe Size	Men's
Small	6½ - 8
Medium	8 - 9½
Large	9½ - 11
X Large	11 - 12½
2X Large	12½ - 14
3X Large	14 - 15½



Additional sizing guidelines by shoe style

Ideal Applications: Food Processing, Transportation, Utilities, Construction, General Industry, Municipalities, and Agriculture.

Chemical Resistance: Acids, alcohols, bases, and diluted water solutions of most chemicals that are water soluble. Not recommended for constant contact with petroleum and oil based products.

Our Natural Rubber Work Overshoes Stretch Easily Over The Bulkiest Of Workshoes

With its reinforced heel and toe, our work overshoes are designed to stand up to tough daily wear. That's why they are considered the industry standard.

- Injection molded, seamless construction for 100% waterproof protection.
- Excellent tensile strength, ease of stretch and tear resistance for more durability, better comfort, and easier on and off.
- Will not crack or stiffen in the coldest of weather.
- Deep cleated outsole spits out debris for good slip resistance and longer wear.
- Heavy duty heel kick-off cleat for easy no hands removal.
- Sturdy molded in rubber button on 10" boot style, for secure closure. No hardware to conduct, tear, or snag.
- No lining for easy cleaning and decontamination.
- More material in heel, toe, and sole for longer wear.
- Less material in the upper results in lighter weight and reduced leg fatigue.

RUBBER OVERSHOES

HI-TOP WORK RUBBER – COVERS WORK SHOE UP TO THE ANKLE

1300	Black – Cleated Outsole	S – 3XL
2300	Black – Cleated Outsole	S – 2XL
10" WORK BOOT – MOLDED IN BUTTON FOR SECURE CLOSURE		
1400	Black – Cleated Outsole	S – 3XL



Winter-Tuff®

Ice Traction

Winter-Tuff® Ice Traction Stretch Rubber Overshoes And Ice Traction Spikes Help Prevent Slips And Falls On Ice And Snow Packed Surfaces

If you walk or work on ice or snow, you want to be sure to avoid a slip and fall injury. The studded soles on our Winter-Tuff stretch rubber overshoes and ice spikes dig into slippery surfaces to help keep you safe.

Overshoes:

- Injection molded, seamless construction for 100% waterproof protection.
- Rust and corrosion resistant tungsten carbide studs to provide excellent slip resistance on ice and snow pack.
- Unlike other traction overshoes, ours are lightweight and stay flexible in cold temperatures for all day comfort.
- Completely locks out bad weather for maximum protection up to the ankle (1350), and 10" height (1450).
- Sturdy molded in rubber button on 10" boot for secure closure.
- Excellent stretch and tear resistance for more durability, comfort, and easy on/off.
- Abrasion resistant sole for long wear.
- Tough and durable, yet affordable.

Ice Spikes:

- Rust and corrosion resistant carbon steel studs dig into slippery surfaces to help keep you safe.
- High stretch rubber stays strong and flexible in cold temperatures.
- Fits either foot and a variety of footwear styles for men & women.

Ideal Applications: Transportation, Utilities, DOT's, Municipalities and General Industry.

Walk with confidence on ice and snow.



Cleated/Studded Outsole:

46 tungsten carbide-tipped studs to dig into slippery surfaces.



Carbon Steel Studs

grip ice and snow surfaces.



5 replacement studs included with each pair.

SIZING

Overshoe Size	Men's
Small	6½ - 8
Medium	8 - 9½
Large	9½ - 11
X Large	11 - 12½
2X Large	12½ - 14
3X Large	14 - 15½

Additional sizing guidelines by shoe style:



1350 & 1450



1150

Warning: Not recommended for use indoors. Studs can scratch floor surfaces.

Winter-Tuff® is a registered trademark of Tingley Rubber Corp.

ICE TRACTION RUBBER OVERSHOES

HI-TOP TRACTION OVERSHOE - COVERS WORK SHOE UP TO ANKLE

■ 1350	Black - Cleated/Studded Outsole	S - 3XL
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10" TRACTION OVERSHOE

■ 1450	Black - Cleated/Studded Outsole	S - 3XL
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WINTER TUFF ICE TRACTION - SPIKES

■ 1150	Ice Traction - Black - Studded Outsole	M - XL
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Workbrutes® More Material, More Traction, Longer Wear



The name Workbrutes means more traction, more comfort, and more protection.

Workbrutes® PVC Overshoes Have Thicker And Deeper Cleats For Better Grip And Longer Wear

Our injection molded Workbrutes PVC overshoe has 46 percent more material in its outsole than the nearest slush molded competitor. Our Frigiflex® PVC compound contains special additives for high stretch and flexibility in cold temperatures.

- Injection molded, seamless construction for 100% waterproof protection.
- Injection molding puts less material in the upper eliminating unnecessary weight, for reduced leg fatigue.
- For longer life more material is added to the sole at the greatest wear points: the heel, toe, and cleats.
- Thicker tread has deeper cleats with sharper edges for more traction.
- Key interior entry points are specially textured to allow overshoes to easily slip on and off over rubber sole shoes.
- Boots feature no-pinch molded in button and two button holes for better fit and protection.
- Heavy duty heel kick-off for easy off.



Cleated Outsole:
Spits out debris and provides excellent traction.

SIZING

Overshoe Size	Men's
X Small	5 - 6½
Small	6½ - 8
Medium	8 - 9½
Large	9½ - 11
X Large	11 - 13
2X Large	13 - 15

Ideal Applications: Food Processing, Construction, General Industry, Transportation, and Hazardous Waste Cleanup.

Chemical Resistance: Some exposure to fats, certain acids, hydrocarbons, and caustics. Not recommended for use in ketones, aldehydes, and many solvents.

PVC OVERSHOES

HI-TOP WORK STYLE – COVERS WORK SHOE UP TO ANKLE

■ 35111 Black – Cleated Outsole XS – 2XL

■ 35113 Yellow – Cleated Outsole XS – 2XL

10" WORK BOOT – MOLDED IN BUTTON FOR SECURE CLOSURE

■ 35121 Black – Cleated Outsole XS – 2XL

■ 35123 Yellow – Cleated Outsole S – 2XL

14" KNEE BOOT – MOLDED IN BUTTON FOR SECURE CLOSURE

■ 35141 Black – Cleated Outsole S – 2XL

Workbrutes® and Frigiflex® are registered trademarks of Tingley Rubber Corp.



Turns Everyday Shoes Into On-The-Job Safety Footwear



Tingley's steel toe overshoe protects the user's toes and shoes!

Companies Concerned With Foot Injury Hazards Have An Affordable Solution For Visitors Or Workers Who Require Steel Toe Protection

Tingley Rubber has produced the industry's first injection molded PVC steel toe overshoe. Made to fit snug over most shoe styles, our 100% waterproof seamless construction protects shoes from damage caused by site chemicals, contaminants, and wear.

- Molded in oversized toe cap accommodates most shoe styles and exceeds ASTM F 2413-05 M/II/75/C/75.
- Injection molded 100% waterproof protection.
- Easily slips on over the bulkiest work shoes. Pull on tab and heel kicker for easy on and off.
- No hardware to conduct, tear, or snag, which helps prevent slips and falls.
- Injection molded for more material in high wear point areas and less material in the upper to reduce weight.
- Special Frigiflex® PVC compound provides long wear, and flexibility in cold temperatures.
- "ShoeLocks" molded into the vamp and above the heel counter help insure a proper fit for a variety of footwear styles.



Cleated Outsole:

Spits out debris providing excellent slip resistance. Wedge sole design is roomier to accommodate wider, thicker outsoles with either wedge or conventional heel construction.

SIZING

Overshoe Size	Athletic/Dress Shoe Size		Work/Hiker Shoe Size	
	Men's	Women's	Men's	Women's
X Small	4-5	5-6-7	4-5	5-6-7
Small	6-7-8	8-9-10	6-7	8-9
Medium	8-9-10	10-11	7-8-9	9-10-11
Large	10-11-12		9-10-11	
X Large	12-13-14		11-12-13	

This overshoe product is designed to fit a variety of footwear styles. Shoe styles with thicker soles may require moving up one size for proper fit.

Ideal Applications: Shipping, Warehousing, Baggage Handling, Food Processing, Mining, Construction, General Industry, Transportation, Onsite Visitors, and Temporary Employees.

Chemical Resistance: Some exposure to fats, certain acids, hydrocarbons, and caustics.

STEEL TOE OVERSHOE

■ 35211	Black Upper – Yellow Cleated Outsole – Steel Toe	XS – XL
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Over the Sock Footwear Guide...

Tingley offers over the sock footwear in either Neoprene or PVC.

Our line of dipped, hand-layered neoprene is one of the most comfortable fitting boots available. The snugleg design is a much snugger fit than a standard knee boot and is excellent where walking, crouching, and kneeling are required.

We offer four distinct formulations in our PVC Boot line. Each of the products has been designed to meet different industrial needs. Most of our boots use a different compound for the upper and another for the outsole. This allows for better flexibility in the shaft of the boot and longer wearing materials in the outsoles. Product performance is enhanced with high molecular weight PVC resins, specialty additives, and plasticizers. The most common cause of failures in PVC boots is due to the extraction of plasticizers when PVC comes in contact with fats, oils, and many chemicals. Once the plasticizers are pulled out of the boot, the PVC becomes hard and is prone to cracks. The addition of specialty additives slows down this extraction process so that the boot will generally last longer.

Material Selection: Before choosing a material where contact with a given chemical may occur, the user should perform their own tests. If highly toxic chemicals are present, special care must be taken into consideration when choosing the correct protective product. This care should include daily inspections to ensure that normal wear and tear have not reduced the integrity of the product. Depending on the toxicity level of the chemical, products should be disposed of if intimate contact with the chemical has occurred.

NEOPRENE: Is a synthetic rubber that is resistant to a broad range of animal fats and blood, oils, certain acids, alcohols, alkalies, caustics, and certain solvents. Our Neoprene material comes in a brick red color so it can be easily recognized in its application, as Neoprene. Available in Styles MB920B, MB921B, MB922B, MB924B, MB926B



REPLACEMENT INSOLES



Polyurethane Contour Insole: Best Comfort. Constructed of three layers for long wear and comfort. The top layer is made of polypropylene for moisture absorption. The middle is polyurethane with open cell construction for breathability and support. The bottom layer is made of polyethylene, which conforms to the shape of the foot for secure placement. Available in Styles CI124, CIM106

POLYVINYL CHLORIDE (PVC): Is a synthetic thermoplastic polymer that provides good protection against animal fats, many acids, alcohols, alkalies, bases, oils, and petroleum hydrocarbons. PVC is not recommended for use in ketones, aldehydes, and many solvents.



HazProof: Utilizes very special formulations to enhance permeation resistance and flame resistance to meet the rigorous demands of hazardous waste cleanup. In addition, the HazProof formula will work well in animal fats, many acids, alkalies, bases, oils, and petroleum hydrocarbons. Available in Style 82330



Premier: Is made with a unique blend of high molecular weight PVC resins, and a high concentration of specialty additives and plasticizers to enhance the boot's chemical resistance. The Premier formula will withstand higher exposures of fats, certain acids, hydrocarbons, caustics, and other chemicals than will our Better Grade and General Purpose/Economy formulas. Available in Styles 93145, 93245, 94245



Better Grade: Is made from a blend of high quality PVC resins and specialty plasticizers. Our Better Grade formulas offer good balance of performance and price for many applications where some exposure to fats, certain acids, hydrocarbons, caustics, and other chemicals are present. Available in Styles 51144, 51244



General Purpose and Economy: Are made from basic PVC resins and includes some recycled PVC. Our General Purpose and Economy lines, as the names imply, are a good choice for less demanding general purpose applications. These formulas will not provide the same resistance to most chemicals that our other PVC formulations provide. Available in Styles 31144, 31244, 31151, 31251

...Over the Sock Footwear Guide

OUTSOLE DESIGNS:



Cleated is a good choice when varied conditions are encountered and for use outdoors. The outsole has larger openings between the cleats, which helps to dig through mud as well as spitting out debris. The cleated outsole has less surface area than other soles, which may reduce slip resistance in indoor applications as well as having less volume of material in the cleats for wear. Available on Styles 31144, 31244, 51144, 51244, 31151, 31251



Chevron was designed by Uniroyal. This sole design was the standard in many food processing applications. It has more edges in its design to enhance slip resistance when used in indoor applications where there is a limited amount of debris. Available on Styles MB920B, MB921B, MB922B, MB926B



Chevron-Plus takes the traditional Chevron sole to a higher level of performance. Designed to be more self-cleaning by maximizing the number of edges and surface area for improved slip resistance. More cleat material than the Cleated and Chevron for longer wear. Excellent on wet-contaminated surfaces. Available on Styles 93145, 93245



Safety-Loc is designed for use in environments with slippery wet-clean surfaces. It maximizes the number of edges and surface area for slip resistance. Not recommended for use in areas that have debris on surfaces which may get caught in the small spaces between the cleats of this design. Available on Styles 94245, MB924B



Sure Grip has excellent abrasion and slip resistance. Open cleats help spit out debris. Available on Styles 82330, MB816B

INJECTION MOLDED KNEE BOOT FEATURES

1. Seamless construction provides 100% waterproof protection.
2. Graduated boot height by size for better fit.
3. Soft, lighter weight material injected in upper for more flexibility and comfort.
4. Extra material in heel and toe for longer wear.
5. Ankle patch for extra protection.
6. Heavy duty heel kick for easy off.
7. Beveled heel reduces back strain.
8. More abrasion resistant material injected in outsole for longer wear.
9. Finger tabs provide better grip when pulling boot on.
10. Wider shaft opening allows pant leg to easily tuck in boots.
11. Cut-off band for adjustable fit.
12. ASTM compliance molded in boot.
13. Our famous rocker last design cradles the foot and walks with you for all day comfort.
14. Flex lines in vamp for more comfort when walking.
15. Steel toe styles meet ASTM F 2413 M/I/75/C/75 for impact and compression.
16. Size marked on front of boot for easy identification off the shelf.
17. Low toe spring for more outsole surface contact for better slip resistance. Also reduces back stress.
18. Specialty outsole designs available for specific applications.
19. Removable, high quality flat or contour insoles.
20. Molded arch support for added comfort.
21. Men's sizing clearly marked along with women's conversion size for added convenience.
22. Reinforced molded shank provides added support for arch.





The Premier™ Boot Line Sets The Standard For PVC Performance And Comfort

Our Premier boot is tough, yet extremely comfortable. The Premier's unique blend of high molecular weight PVC resins and specialty additives offers superior chemical resistance to concentrates of fats, certain acids, hydrocarbons, caustics, and other chemicals. That's why it is an excellent choice for food processing and petrochemical applications.

- Injection molded construction for 100% waterproof protection.
- Soft and flexible upper material for all day working comfort.
- Outsole material is soft for excellent slip resistance and walking comfort while offering good abrasion and chemical resistance.
- Safety-toe styles meet ASTM F 2413 M/II/75/C/75 EH for steel toe caps and Electrical Hazard Protection.*
- Chevron-Plus® or Safety-Loc outsoles provide excellent slip performance on wet-contaminated or wet-clean surfaces, respectively.
- Chevron-Plus outsole has more cleat material than standard Chevron designs, for longer service life.
- Removable contour cushion insoles absorb moisture and shock for added comfort.

"Tough comfort" for food and petrochemical work.



Chevron-Plus Outsole:
For slip resistance on wet-contaminated surfaces.



Safety-Loc Outsole:
For slip resistance on wet-clean surfaces.



Contour Insole:
Cushioned removable polyurethane insole absorbs shock for added comfort.
Styles:
C1124 Sizes S-XL
CIM106 Sizes 5-13

Ideal Applications: Suited for various jobs within Food Processing, particularly Red Meat, Turkey, Dairy, Beverage, Chemical, and Petroleum Industries.

Chemical Resistance:
Fats, certain acids, hydrocarbons, caustics, and other chemicals.



PREMIER KNEE BOOTS CHEVRON-PLUS OUTSOLES

93145	Brick Red Upper – Cream Sole – Ht. 15" – Plain Toe	4 – 14
93245	Brick Red Upper – Cream Sole – Ht. 15" – Steel Toe	3 – 14

SAFETY-LOC OUTSOLE

94245	Brick Red Upper – Cream Sole – Ht. 15" – Steel Toe	5 – 14
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*Boot shall withstand 18,000 volts at 60 HZ for 1 minute with no current flow or leakage current in excess of 1.0 milliamperes under dry conditions tested as per lab conditions in Test Method F 2412.

Electrical Hazard soles and heels are intended to reduce the hazards due to accidental contact with live electrical circuits, electrically energized conductors, parts or apparatus. Electric Hazard soles and heels are not intended for wear in those work environments where volatile chemicals or explosives may be present, where conductive footwear is required.

Warning: Electric Hazard features of the soles and heels, will deteriorate in wet environments and when worn with excessive wear on the soles and heels.

Chevron-Plus® is a registered trademark of Tingley Rubber Corp.
Premier™ is a trademark of Tingley Rubber Corp.

Better Grade™

The Best “Better Grade” PVC Knee Boot



At Tingley “Better Grade” means a comfortable fit, good performance, and long wear.



Cleated Outsole:
Spits out debris for great traction.

Ideal Applications: General purpose for Agriculture and Industry, Municipalities, and many Food Processing applications.

Chemical Resistance: Fats, certain acids, hydrocarbons, caustics, and other chemicals.

Our Better Grade™ PVC Knee Boot Is Durable On The Outside And Comfortable On The Inside

Our Better Grade knee boot material is formulated with high quality PVC resins and low temperature additives. The result is a boot that has good abrasion resistance and excellent flexibility in cold temperatures.

- Injection molded construction for 100% waterproof protection.
- Flexible upper material stays supple in cold temperatures to make walking easier.
- Outsole material is soft for excellent slip resistance and absorbs shock when walking.
- Steel toe meets ASTM F 2413 M/II/75/C/75.
- Cleated outsole spits out debris for excellent gripping action.
- Removable polypropylene insole wicks perspiration to help keep feet dry and comfortable.

BETTER GRADE KNEE BOOTS CLEATED OUTSOLE

■ 51144	Brown Upper – Crepe Sole – Ht. 15” – Plain Toe	3 – 14
■ 51244	Brown Upper – Crepe Sole – Ht. 15” – Steel Toe	3 – 14

Better Grade™ is a trademark of Tingley Rubber Corp.



General Purpose and Economy - Affordable, All Day Comfort



At Tingley, We Believe "General Purpose" And "Economy" Don't Have To Mean An Uncomfortable Fit Or Poor Performance

When you are working in wet, muddy conditions, our General Purpose and Economy PVC knee boots provide easy walking and all day protection.

- Injection molded construction for 100% waterproof protection.
- Flexible upper material stays supple in cold temperatures to make walking easier.
- Tougher outsole material for good abrasion resistance.
- Steel toe meets ASTM F 2413 M/II/75/C/75.
- Self cleaning cleated outsole, spits out debris as you walk.
- Removable cushion insole, wicks perspiration to help keep feet dry and comfortable.
- Economy boot features eco-conscious upper made from 30% recycled material.

Even our general purpose and economy boots must meet Tingley's high standard for quality and performance.

Cleated Outsole:

Spits out debris for great traction.



31144 / 31244 31151 / 31251



31144 / 31244

31151 / 31251

GENERAL PURPOSE KNEE BOOTS CLEATED OUTSOLE

■ ■ 31144	Black Upper – Black Sole – Ht. 15" – Plain Toe	3 – 14
■ ■ 31244	Black Upper – Black Sole – Ht. 15" – Steel Toe	4 – 14

ECONOMY KNEE BOOTS CLEATED OUTSOLE

■ ■ 31151	Black Upper – Black Sole – Ht. 15" – Plain Toe	4 – 14
■ ■ 31251	Black Upper – Black Sole – Ht. 15" – Steel Toe	4 – 14

Ideal Applications:

General purpose in Agriculture, Industry, and Construction.

Chemical Resistance:

Fats, certain acids, hydrocarbons, caustics, and other chemicals.

Neoprene Flexible, Durable, Comfortable



In challenging work conditions Neoprene gives you more protection than rubber boots.

Neoprene Snugleg Boots Are Designed For Tough Industrial Environments

Our Neoprene Snugleg Boots are made with a multi-ply manufacturing method. Every boot is dipped with a neoprene coating and sealant, so the foot is surrounded by a layer of 100% waterproof and chemical resistant neoprene for optimum protection and extraordinary comfort.

- Neoprene rubber will outwear standard rubber boots in solvents, caustics, hydrocarbons, oils, fats, and acids.
- Hand-layered construction allows for a soft flexible upper and more material in the toe and heel contact points, for optimum comfort and protection.
- Safety-toe styles meet ASTM F 2413 M/1/75/C/75 EH, for steel toe caps and Electrical Hazard Protection.*
- Snugleg last design hugs the foot for all day working comfort.
- Removable polyurethane contour cushion insoles for maximum comfort.
- Dense fabric liner for easy on and off. Also wicks moisture and condensation.
- Chevron or Safety-Loc outsoles offer abrasion resistance and provide excellent slip performance on wet-contaminated or wet-clean surfaces, respectively.
- Steel shank for added arch support.



Chevron Outsole:

Spits out debris for slip resistance on wet-contaminated surfaces.



Safety-Loc Outsole:

For slip resistance on wet-clean surfaces.

Ideal Applications: Food Processing, particularly Red Meat, Dairy, Chemical, Petrochemical, particularly Exploration, and Production.

Chemical Resistance: Animal fats and blood, oils, certain acids, alcohols, alkalies, and certain solvents.



NEOPRENE SNUGLEG BOOTS

CHEVRON OUTSOLE

■	MB920B	Brick Red Upper – Brown Sole – Ht. 12½" – Plain Toe	5 – 13
■	MB921B	Brick Red Upper – Brown Sole – Ht. 16" – Steel Toe	6 – 15
■	MB922B	Brick Red Upper – Brown Sole – Ht. 12½" – Steel Toe	5 – 15
■	MB926B	Brick Red Upper – Brown Sole – Ht. 16" – Plain Toe	6 – 13

SAFETY-LOC OUTSOLE

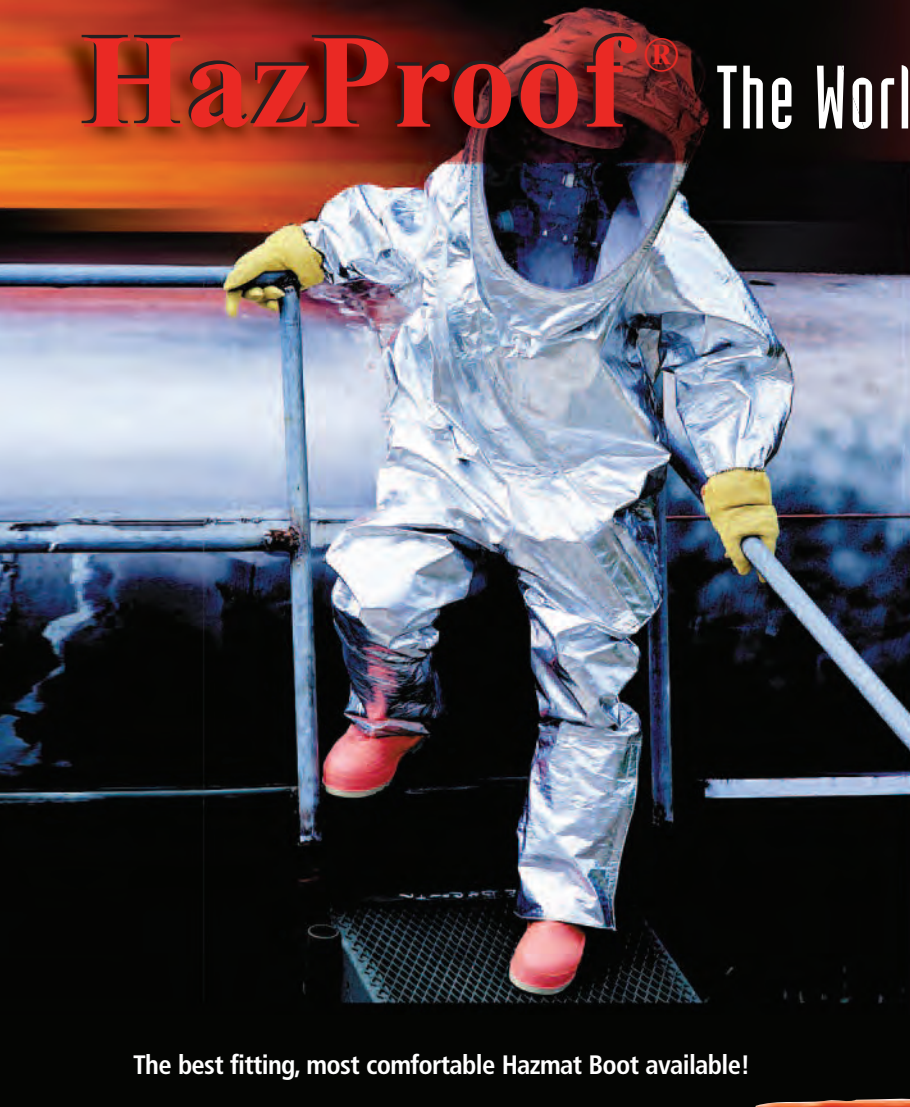
■	MB924B	Brick Red Upper – Brown Sole – Ht. 12½" – Steel Toe	6 – 15
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*Boot shall withstand 18,000 volts at 60 HZ for 1 minute with no current flow or leakage current in excess of 1.0 milliamperes under dry conditions tested as per lab conditions in Test Method F 2412.

Electrical Hazard soles and heels are intended to reduce the hazards due to accidental contact with live electrical circuits, electrically energized conductors, parts or apparatus. Electric Hazard soles and heels are not intended for wear in those work environments where volatile chemicals or explosives may be present, where conductive footwear is required.

Warning: Electric Hazard features of the soles and heels will deteriorate in wet environments and when worn with excessive wear on the soles and heels.

HazProof® The World's Most Advanced Hazmat Boot



The best fitting, most comfortable Hazmat Boot available!

HazProof® Certified To NFPA 1991 For Chemical And Hazmat Cleanup, Emergency Response, And Domestic Preparedness

Made of special polymer material, this comfortable boot meets the protective footwear chemical permeation requirements of NFPA 1991 Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies. The HazProof boot has also been tested to Military Standard 282 and will provide protection against certain chemical warfare blister and nerve agents!

- Injection molded seamless construction for 100% liquid proof protection.
- Larger foot area is engineered to accommodate the extra bulk of an encapsulated suit, for comfortable fit.
- Smooth exterior surface for easy decontamination.
- Stretch fastener closure system allows for easy on and off while wearing gloves.
- Meets ASTM F 2413 M/II/75/C/75 EH, for Steel Toe Impact and Compression, and Electrical Hazard Protection.**
- Steel mid-sole meets and exceeds ASTM F 2413 PR.
- Steel shank provides firm arch support.
- Blown closed cell EVA mid-sole for all day cushion comfort.
- Sure grip cleated outsole has excellent abrasion and slip resistance.
- Bright orange color for high visibility.

Ideal Applications: Chemical and Hazmat Cleanup.

Chemical Resistance: Hazardous Waste.

HAZPROOF BOOT SURE GRIP OUTSOLE

82330	Orange Upper – Cream Outsole – Ht. 11" – Steel Toe	6 - 13*
RF823	Replacement Stretch Fasteners - 6 pc/bag	

*Size 13 oversized foot bed design will accommodate foot sizes up to 16. HazProof® is a registered trademark of Tingley Rubber Corp.



Sure Grip Outsole: Excellent abrasion and slip resistance.

Test Method Results

Our HazProof Boot has surpassed the following Test Methods:

- Permeation Resistance – ASTM F 739 and ASTM F 1001 – 21 Chemicals
- Permeation Resistance – MIL-STD-282
- Flame Resistant – ASTM F 1358
- Puncture Propagation Upper – ASTM F 1342
- Exceeds Protection Minimum Upper (Height)
- Electrical Hazard – ASTM F 2413 EH
- Puncture Resistance Sole & Heel – ASTM F 2413 PR
- Abrasion Resistance Sole & Heel – ASTM D 1630
- Toe Impact Resistance – ASTM F 2413 M/II/75
- Toe Compression Resistance – ASTM F 2413 M/C/75
- Slip Resistance – ASTM F 489
- Cut Resistance Upper – ASTM F 1790
- Ladder Shank Bending Resistance – NFPA 1991

**Boot shall withstand 18,000 volts at 60 HZ for 1 minute with no current flow or leakage current in excess of 1.0 milliamperes under dry conditions tested as per lab conditions in Test Method F 2412.

Electrical Hazard soles and heels are intended to reduce the hazards due to accidental contact with live electrical circuits, electrically energized conductors, parts, or apparatus. Electric Hazard soles and heels are not intended for wear in those work environments where volatile chemicals or explosives may be present, where conductive footwear is required.

Warning: Electric Hazard features of the soles and heels, will deteriorate in wet environments and when worn with excessive wear on the soles and heels.

The Industry's Most Advanced Rubber Metatarsal Boot



The most comfortable Rubber Metatarsal Boot available!



Sure Grip Outsole:
Excellent abrasion and slip resistance.



Rear Gusset with Quick Release Buckles:
Adjustable, better fit for larger calves, easy on/off, no laces to contaminate.

Ideal Applications: Mining, Manufacturing, and Construction.

Chemical Resistance: Acids, alcohols, bases, and diluted water solutions of most chemicals that are water soluble. Not recommended for constant contact with petroleum and oil based products.



Metatarsal, Steel Toe, And Puncture Resistant Protection... All In A Comfortable, Durable, 100% Waterproof Boot

The 16" rubber metatarsal boot is flexible and comfortable in the toughest of work environments. Rubber metatarsal boots are often worn on uneven terrain which can lead to ankle injuries. Tingle has designed an internal support system in the critical areas of the heel and ankle to help mitigate the occurrence of injuries.

- Meets ASTM F 2413 M/II/75/C/75 Mt75 PR EH for steel toe impact and compression, metatarsal impact, steel midsole for puncture resistance, and electrical hazard protection.*
- Abrasion resistant rubber in key exposure areas for improved performance and durability.
- Made of ozone resistant rubber to reduce premature cracking.
- Floating metatarsal guard provides flexible protection even when bending, kneeling, and crawling.
- Internal ankle support system to help reduce injury.
- Snugleg last design hugs the foot for all day working comfort.
- Contour polyurethane insole absorbs moisture and shock.
- Sure grip cleated outsole has excellent abrasion and slip resistance.

RUBBER METATARSAL BOOT SURE GRIP OUTSOLE

■ MB816B	Black Upper - Black Outsole - Ht. 16" - Steel Toe - Metatarsal - Steel Midsole	6 - 15
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*Boot shall withstand 18,000 volts at 60 HZ for 1 minute with no current flow or leakage current in excess of 1.0 milliamperes under dry conditions tested as per lab conditions in Test Method F 2412.

Electrical Hazard soles and heels are intended to reduce the hazards due to accidental contact with live electrical circuits, electrically energized conductors, parts, or apparatus. Electric Hazard soles and heels are not intended for wear in those work environments where volatile chemicals or explosives may be present, where conductive footwear is required.

Warning: Electric Hazard features of the soles and heels will deteriorate in wet environments and when worn with excessive wear on the soles and heels.

Protective Clothing Guide...

Tingley's protective clothing line utilizes four polymer coating categories for its liquid proof barriers. Various compound formulations within these polymer categories are used to meet specific performance requirements. The use of high purity Neoprenes and Urethanes along with high quality and specialty PVC coatings ensures the best products are available for the right applications.

Three fabrics in a variety of woven and non-woven construction, are used as substrates, bonded to the coating to add strength and comfort characteristics. Nylon, Polyester, and Nomex fabrics when combined with the proper coating, result in cost effective material choices that provide the desired comfort, durability, and protection levels.

Coating and Substrate Selection:

Before choosing a material where contact with a given chemical may occur, the user should perform their own tests. If highly toxic chemicals are present, special care must be taken into consideration when choosing the correct protective product. This care should include daily inspections to ensure that normal wear and tear have not reduced the integrity of the product. Depending on the toxicity level of the chemical, products should be disposed of if intimate contact with the chemical has occurred.

Coatings: The compounds applied on the inner, outer or both sides of a fabric to make it waterproof and improve its physical performance. Each coating possesses its own unique formula and properties which dictate its performance in a given application.

Neoprene - A synthetic rubber, legendary for its toughness and durability. It is resistant to a broad range of animal fats and blood, oils, certain acids, alcohols, alkalies, caustics, and certain solvents. Available in: Magnaprene.

Polyurethane - A synthetic polymer that possesses excellent durability and abrasion characteristics, with a very light weight. Polyurethane provides excellent protection against animal fats and oils, is good in most hydrocarbon oils, organic acids, salts, alkalies, and in some inorganic acids. Available in: Iron Eagle, Eagle, Icon, Vision, Phase 3, Bomber, Bomber II, and Stormflex.

PVC (Polyvinyl Chloride) - A synthetic thermoplastic polymer with a wide range of applications. PVC provides good protection against many acids, alcohols, alkalies, bases, oils, and petroleum hydrocarbons. Available in: American, DuraScrim, Comfort-Brite, and most General Purpose products.

Specialty PVC - Comprised of unique blends of high molecular weight PVC resins and specialty plasticizers. These additives significantly improve the coating's resistance to a variety of elements, enhancing their performance over regular PVC coatings in similar environments. Our Specialty PVC formulas show better resistance to many fats, acids, hydrocarbons, caustics, and other chemicals. Available in: Webdri, Safetyflex, and Electra.



Substrates: The material or fabric on which a coating is applied. The material may be knitted, woven or non-woven. If the coating is applied on the outside of a non-woven substrate, the material may be referred to as a lining, however a lining may also be a separate layer of material sewn into the garment for added comfort. In the case of non-woven substrates, the high-loft polyester material used not only provides the wicking properties and comfort of a lining but also adds strength to the coated material. Any garment without a separate lining or non-woven substrate is often referred to as an unlined garment.

Nylon - Woven Nylon is popular for its lightweight, comfortable feel, along with its superior strength, toughness, and drying characteristics. Available in: Iron Eagle, Eagle, Magnaprene, and Storm-Champ.

Polyester - Polyester is known for its strength and mildew resistance along with its quick drying properties.

Knit Polyester - Provides strength and stretch for added comfort. Available in: Safetyflex, Comfort-Brite, and select General Purpose products.

Woven Polyester - Popular for its lightweight, comfortable feel, along with its strength, toughness, drying characteristics and superior ability to hold dye colors. Available in Vision, Icon, Phase 3, Bomber, Bomber II, DuraScrim, and Job Sight Vests, T-shirts and Sweatshirts.

Non-Woven Polyester - High-loft substrates are utilized for their soft comfort and wicking properties. Non-wovens are generally not recommended in chemical applications where contaminants can wick and absorb into the fabric. Available in: Webdri and American.

Nomex - An aramid fiber which provides outstanding heat and flame resistance while possessing excellent thermal stability. This non-woven substrate maximizes protection and comfort. Available in: Electra.

Garment Construction:

Tingley protective clothing is constructed utilizing one of two seaming techniques/waterproofing methods. Different pattern design elements, such as sleeve cut and sizing, are incorporated to maximize fit and comfort when working. Suits utilize different hardware to meet both application and performance requirements.

Sleeve Design:

Batwing - This sleeve design is cut as part of the body material. The sleeve forms a 90 degree angle with the body of the jacket. This design provides additional material in the shoulder and underarm area, making the batwing sleeve a popular choice for the increased freedom of movement it allows when working. Available in: Iron Eagle, Magnaprene, Webdri, American, DuraScrim, and select General Purpose products.

90° Raglan - A common sleeve design, the raglan sleeve is cut separate from the body and joined with the garment at a 90° angle, tapered from the neckline to the underarm. This construction reduces the material used in the sleeve area and offers comparable freedom of movement. Available in: Eagle, Safetyflex, Comfort-Brite, Electra, DuraBlast, and some General Purpose products.

Set-In - A sleeve joined to the body of a garment by a seam starting at the edge of the shoulder and continuing around the armhole. We have modified the traditional set-in sleeve for use in job applications that require work overhead. This shoulder design allows for 180° freedom of movement. Available in: Vision, Icon, Phase 3, Bomber, Bomber II, and Job Sight Sweatshirts.

Waterproofing Methods:

Stitched and Taped - The process of sewing two materials together and then applying a tape under heat and pressure to waterproof the seam. The addition of the tape to the already stitched seam makes the seam stronger than the material itself. This method provides 100% waterproof protection and is acceptable for occasional chemical splash protection. It is generally not recommended for constant exposure to toxic chemicals because of the potential penetration of the needle holes and the absorption of the chemical by thread. Available in: Eagle, Magnaprene, Vision, Icon, and Bomber.

Therm-O-Rad Seams - The use of dielectric heat (high-frequency radio waves) and conventional thermal heat under pressure to fuse or form a molecular bond between two layers of coated fabric. This process achieves a 100% liquid proof seam. The Therm-O-Rad seam provides excellent chemical protection because there are no needle holes that chemicals may penetrate or threads that may absorb. Available in: Iron Eagle, Webdri, American, Safetyflex, DuraScrim, Electra, Comfort-Brite, and all General Purpose products.

Sizing:

All garments are generously cut to provide maximum freedom of movement. All Tingley garments feature graduated lengths. The additional length added to each garment helps reduce the need for custom sizing for taller individuals. Not only do our garments provide a better, more comfortable fit, they reduce the number of sizes required to fit a work force. For the dimensions and sizing recommendations, please refer to our sizing chart.

SIZING								
JACKETS								
Sizes	S	M	L	XL	2XL	3XL	4XL	5XL
Chest Size	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66
Garment Chest Measurement	46	50	54	58	62	66	70	74
Jacket Length	29	30	31	31	32	32	32	33
Sleeve Length	33	34	34½	35	35½	36	36	38
OVERALLS OR PANTS								
Sizes	S	M	L	XL	2XL	3XL	4XL	5XL
Waist	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62
Garment Inseam	28	29	30	31	32	32	32	33
COATS								
Size	S	M	L	XL	2XL	3XL	4XL	
Chest Size	36-38	40-42	44-46	48-50	52-54	56-58	60-62	
Garment Chest Measurement	46	50	54	58	62	66	70	
Coat Length	48	48	48	48	48	48	48	
Sleeve Length	33	34	34½	35	35½	36	36	

Hardware: Our protective clothing features two types of snaps.

Plastic Snaps - Used on all of our flame resistant garments. All snaps are high resin plastic and are non-conductive and non-corrosive. Available in: Eagle, Safetyflex, DuraScrim, Electra, Comfort-Brite, Vision, and select General Purpose products.

Heavy Duty Nickel-Brass Snaps - Used mainly on our non-flame resistant garments and are guaranteed not to corrode. Metal snaps are less likely to crack or break which may render perfectly good suits useless. These snaps stand up to heavy abuse and are great in food processing where metal detection systems are used. Available in: Iron Eagle, Magnaprene, Webdri, American, Icon, and select General Purpose products.

Standards Testing:

Many of our protective clothing products are utilized in harsh environments and are required to pass industry standards and test methods. Three clothing standards are referenced in this brochure, they are: ASTM D6413 for Flame Resistant Rainwear, ASTM F1891 for Arc Thermal Performance and ANSI/ISEA 107 for High Visibility. Where referenced, Tingley products meet or exceed the minimum requirement.

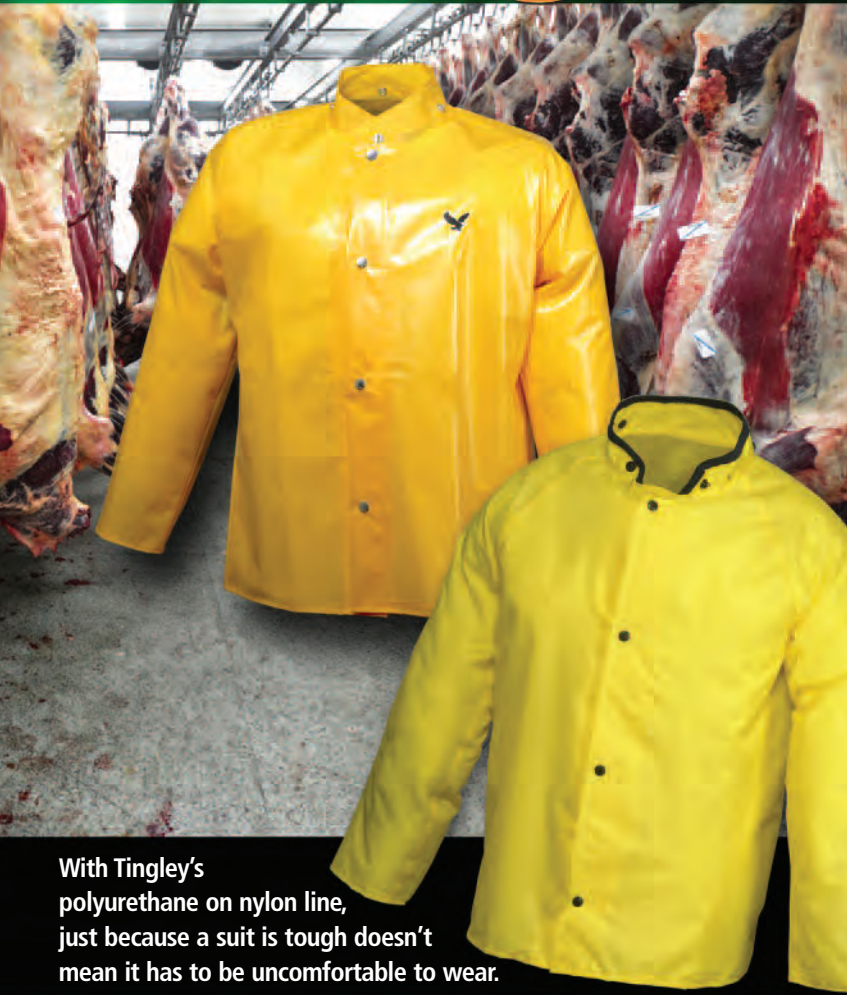
ASTM D6413 for Flame Resistance of Textiles – This is a test method that determines whether rainwear is flame resistant or not. A vertical flame test exposes a material to a 12 second calibrated, open flame. After the flame source is removed, the material must self extinguish. There are no specific time requirements for this flame-out to occur, however, Tingley adheres to the flame resistant criteria defined in ASTM F1891 which is a flame-out and afterglow less than or equal to 2 seconds and a char length less than 6 inches. Available in: Safetyflex, Magnaprene, DuraScrim, Electra, Comfort-Brite.

ASTM F1891 for Arc and Flame Resistant Rainwear - This standard specification defines test methods and sets minimum requirements for material performance, in electrical arc environments. This standard is primarily utilized in the electric utility industry. Available in: Electra.

ANSI/ISEA 107 for High Visibility Safety Apparel - This standard specifies requirements for apparel, capable of signaling the user's presence visually and intended to provide conspicuity of the user in hazardous situations under any light conditions by day and under illumination by vehicle headlights at night. Performance requirements are included for color, retroreflection, and minimum areas, as well as the recommended configuration of the materials. Test methods are provided to help ensure that a minimum level of visibility is maintained when garments are subjected to ongoing care procedures. Available in: All Job Sight™ Products.

Iron Eagle® & Eagle™

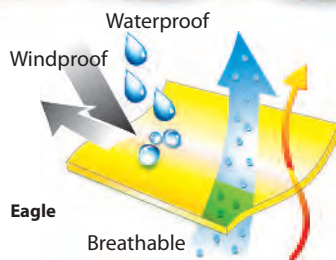
Heavy Protection, Lightweight Comfort



With Tingley's polyurethane on nylon line, just because a suit is tough doesn't mean it has to be uncomfortable to wear.



Iron Eagle



Eagle

IRON EAGLE EAGLE

FEATURES & BENEFITS

Batwing sleeve construction and generously cut for maximum freedom of movement	X	
Raglan sleeve construction for comfortable fit		X
Therm-O-Rad sealed seams for 100% waterproof protection	X	
Stitched and taped seams for 100% waterproof protection		X
Storm fly front seals out wind, rain, and contaminants	X	X
Premium snap-lock suspender buckles	X	X
Heavy duty suspenders w/crossover	X	
Heavy duty snaps for maximum performance	X	
Non-conductive, non-corrosive snaps and buckles		X
Mildew resistant	X	X

Chemical Resistance: Good in most hydrocarbon oils, organic acids, salts, alkalies, and in some organic solvents. Not recommended in ketones, alcohols, and certain solvents.

The Iron Eagle® Exterior Coated Polyurethane On Nylon Suit Is Lightweight And Durable

Extremely comfortable and flexible, the Iron Eagle also has the durability to resist fats, oils, pine tars, gasoline, grease, and a variety of other chemicals. It is ideal for the toughest work conditions.

- 2 mil exterior coating offers unbelievable snag and abrasion resistance.
- Sleek coating is easy to decontaminate and provides great liquid shedding characteristics.
- Heat sealed seams are stronger than the material itself and can withstand extensive laundering.

Ideal Applications: Food Processing, Meat Packing, Forestry, Agriculture, Petrochemical, and Nuclear Utilities.

Breathable Eagle™ Polyurethane On Nylon Suit For All Day Comfort And Wear

The most lightweight and comfortable suit we make, the Eagle Suit is made of 200 denier nylon and coated on the inside with polyurethane.

- Breathable. Test method ASTM E96.
- Interior polyurethane coating and exterior DWR (Durable Water Repellency) coating for 100% waterproof protection.
- Generously cut to fit over the heaviest of work clothes.

Ideal Applications: Agriculture, Food Processing, Municipalities and General Industry.

IRON EAGLE – 5.5 Oz. Mat'l Wt. – 10 Mil Thick JACKETS

J22201	Blue – Storm Fly Front – Hood Snaps	S – 3XL
J22207	Gold – Storm Fly Front – Hood Snaps	S – 4XL
J22107	Gold – Storm Fly Front – Attached Hood	S – 6XL
J22208	Green – Storm Fly Front – Hood Snaps	S – 4XL
J22168	Green – Storm Fly Front – Attached Hood	S – 5XL

OVERALLS

O22001	Blue – Plain Front – Snap-Lock Buckles	S – 3XL
O22007	Gold – Plain Front – Snap-Lock Buckles	S – 6XL
O22008	Green – Plain Front – Snap-Lock Buckles	S – 5XL

PROTECTIVE SLEEVES

S22167	Gold	18"
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HOODS

H22141	Blue – Detachable	L
H22147	Gold – Detachable	L
H22148	Green – Detachable	L

EAGLE – 4.5 Oz. Mat'l Wt. – 9 Mil Thick

JACKETS

J21207	Yellow – Storm Fly Front – Hood Snaps	S – 4XL
J21107	Yellow – Storm Fly Front – Attached Hood	S – 4XL

OVERALLS

O21007	Yellow – Plain Front	S – 4XL
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PANTS

P21107	Yellow – Drawstring Waist – Snap Fly Front	S – 3XL
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HOOD

H21107	Yellow – Detachable	L
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Iron Eagle® is a registered trademark of Tingley Rubber Corp.
Eagle™ is a trademark of Tingley Rubber Corp.

Magnaprene™

Classic Neoprene Performance



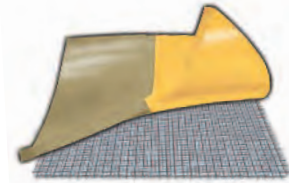
Made of nylon and coated with neoprene, this Tingley classic has performed for generations.

Light Weight Magnaprene™ Single Coated Neoprene On Nylon Suit

Made of nylon and coated with neoprene, this classic is still one of the toughest high performance suits on the market today.

- Neoprene coating provides excellent abrasion performance and resists oils, acids, chemicals, and solvents.
- Stitched and taped seams are 100% liquidproof.
- Nylon fabric provides excellent strength and durability.
- Flame resistant. Self extinguishing with flameout and afterglow less than 2 seconds after removal of ignition source. Test method ASTM D6413.

Ideal Applications: Petrochemical, Chemical, Off Shore Drilling, Mining, Fishing, and Forestry.



FEATURES & BENEFITS

MAGNAPRENE

Batwing sleeve construction and generously cut for maximum freedom of movement	X
Stitched and taped seams, for 100% waterproof protection	X
Storm fly front seals out wind, rain, and contaminants	X
Corduroy tip collar for neck comfort	X
Take-up snaps on sleeves and ankle cuffs for adjustable fit	X
Heavy duty snaps for maximum performance	X
Mildew resistant	X
Flame resistant tested*	X

Chemical Resistance: Animal fats, certain acids, alcohols, caustics, oils, and certain solvents.

* Flame resistant. Self extinguishing with flameout and afterglow less than 2 seconds after removal of ignition source. (Test method ASTM D6413).

Magnaprene™ is a trademark of Tingley Rubber Corp.

MAGNAPRENE – 9 Oz. Mat'l Wt. – 12 Mil Thick

JACKETS

J12207	Yellow – Storm Fly Front – Hood Snaps	S – 4XL
J12148	Olive Drab – Storm Fly Front – Attached Hood – Inner Cuffs	S – 5X

OVERALLS

O12007	Yellow – Plain Front	S – 4XL
O12008	Olive Drab – Plain Front	S – 5XL

PANTS

P12008	Olive Drab – Plain Front	S – 4XL
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COATS

C12148	Olive Drab – 48" – Storm Fly Front – Attached Hood – Inner Cuffs	S – 4XL
C12168	Olive Drab – 60" – Storm Fly Front – Attached Hood – Inner Cuffs	S – 4XL

HOOD

H12107	Yellow – Detachable	L
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When you are working all day in tough conditions, Tingley's Webdri and American suits protect you and allow you to work comfortably.

The Original Webdri® PVC On Polyester Suit Is Designed For Comfort And Toughness

Webdri is a truly comfortable, high performance suit. Made with a heavy coating and a high loft lining, it can withstand extensive laundering and duty. That is why it is one of our most popular suits.

- **Stitch bonded non-woven lining** defies punctures and tears as well as dissipates moisture.
- **Special PVC coating** resists fats and oils.

Ideal Applications: Food Processing, Agriculture, Construction, Manufacturing, and Forestry.



The American PVC On Non-Woven Polyester Suit Is Affordable Yet Comfortable

The American is one of the most comfortable garments on the market.

- **Light weight coating** is durable and stays supple in cold temperatures.
- **Non-woven lining** absorbs moisture for all day comfort.

Ideal Applications: Agriculture, General Industry, Construction, and Municipalities.



FEATURES & BENEFITS

WEBDRI AMERICAN

Batwing sleeve construction and generously cut for maximum freedom of movement	X	X
Therm-O-Rad sealed seams for 100% waterproof protection	X	X
Storm fly front seals out wind, rain, and contaminants	X	X
Full polar fleece thermal velour collar for neck comfort	X	X
Polar fleece thermal velour tip collar	X	X
Premium snap-lock suspender buckles	X	X
Heavy duty snaps for maximum performance	X	X
Suspender crossover	X	X
Mildew resistant	X	X

Chemical Resistance: Many acids, oils, alcohols, salts, and alkalis.

WEBDRI – 12 Oz. Mat'l Wt. – 26 Mil Thick

JACKETS

J31207	Yellow – Storm Fly Front – Hood Snaps	S – 3XL
J31107	Yellow – Storm Fly Front – Attached Hood	S – 4XL

OVERALLS

O31007	Yellow – Plain Front	S – 4XL
O31107	Yellow – Snap Fly Front	S – 3XL

COAT

C31207	Yellow – 48" – 2 Patch Pockets – Vented Cape Back – Hood Snaps	S – 3XL
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HOOD

H31107	Yellow – Detachable	L
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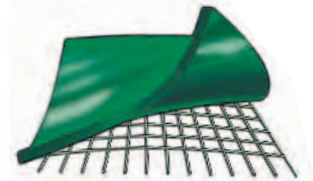
AMERICAN – 8 Oz. Mat'l Wt. – 18 Mil Thick

JACKETS

J32007	Yellow – Storm Fly Front	S – 3XL
J32107	Yellow – Storm Fly Front – Attached Hood	S – 4XL

OVERALLS

O32007	Yellow – Plain Front	S – 4XL
O32107	Yellow – Snap Fly Front	S – 3XL



When you need a suit for aggressive applications, our high performance specialty PVC compound is engineered for the toughest job requirements.

The Safetyflex® Flame Resistant Specialty PVC On Polyester Suit Combines Tough Protection And Comfortable Fit

Made to resist industrial acids, chemicals, and caustics, Safetyflex is engineered for protection.

- Heavy exterior coating for excellent permeation performance.
 - Flame resistant. Self extinguishing with flameout and afterglow less than 2 seconds after removal of ignition source. Test method ASTM D6413.
 - High jacket collar with hook and loop throat closure for increased splash and drip protection.
 - All seams are Therm-O-Rad sealed. No needle holes for chemicals to penetrate.
 - Soft, supple feel for all day comfort.
 - Tapered sleeves are designed to fit in protective gloves or accommodate glove rings for added safety.
 - Distinctive safety green color for easy identification.
 - Available as a coverall or a jacket and overall combination.
- Ideal Applications:** Chemical environments.

FEATURES & BENEFITS

SAFETYFLEX

- Full cut shoulder with 90° sleeve to body angle for maximum freedom of movementX
- Therm-O-Rad sealed seams for 100% liquid proof protectionX
- Storm fly front seals out wind, rain, and contaminantsX
- Non-conductive, non-corrosive snaps and bucklesX
- Hidden hardware for added protectionX
- High collar with hook and loop throat closure for added safety.....X
- Coverall has zipper closure with dual storm fly front.....X
- Mildew resistantX
- Flame resistant tested*X

Chemical Resistance: Many acids, oils, alcohols, salts, and alkalis.

*Flame Resistant. Self extinguishing with flameout and afterglow less than 2 seconds after removal of ignition source. (Test method ASTM D6413).

SAFETYFLEX – 13 Oz. Mat'l Wt. – 17 Mil Thick

JACKETS

J41008	Green - Storm Fly Front - High Collar - Hidden Hardware	M – 4XL
J41108	Green - Storm Fly Front - Attached Hood - Hidden Hardware	S – 4XL

OVERALL

O41008	Green - Plain Front	S – 4XL
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COVERALL

V41108	Green - Attached Hood - Zipper Fly Front - Tapered Sleeves - Ankle Take-Ups	S – 3XL
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APRON

A41008	Green	38" x 48"
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PROTECTIVE SLEEVES

S41108	Green	18"
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Safetyflex® is a registered trademark of Tingley Rubber Corp.

DuraScrim™ High Strength, Low Cost



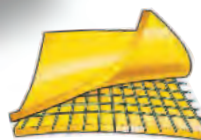
At Tingley, a suit doesn't have to be expensive to offer the protection you need.

DuraScrim™ Double Coated PVC On Polyester Suit Offers Durability At An Economy Price

Extremely high tear strength is the result of an open weave polyester scrim fabric being sandwiched between two layers of flame resistant PVC coating.

- Therm-O-Rad sealed seam construction for good chemical splash protection.
- Thicker outside coating for better abrasion resistance.
- Lighter interior coating protects fabric from chemical contamination.
- Flame resistant. Self extinguishing with flameout and after-glow less than 2 seconds after removal of ignition source. Test method ASTM D6413.
- DuraBlast™ jacket and overall styles J56147 and O56047 feature hook & loop closures for hydroblasting applications.

Ideal Applications: Light Chemical, Construction, Utilities, Agriculture, Food Processing, General Industry, and Hydroblasting.



DuraBlast™ jacket has storm fly front with snaps, full front hook & loop closure, and throat guard.

FEATURES & BENEFITS

DURASCRI M DURABLAST

Full cut shoulder with 90° sleeve to body angle for maximum freedom of movement	.....X.....	.....X.....
Therm-O-Rad sealed seams for 100% waterproof protection	.....X.....	.....X.....
Storm fly front seals out wind, rain, and contaminants	.....X.....	.....X.....
Take-up snaps on sleeves and ankle cuffs for adjustable fit	.....X.....	.....X.....
Hook & loop take-up straps on sleeves and ankle cuffs for adjustable fit	.....X.....	.....X.....
Drawstring sweep for added protection	.....X.....	.....X.....
Self material collar resists contamination	.....X.....	.....X.....
Hook & loop throat guard to seal out moisture	.....X.....	.....X.....
Non-conductive, non-corrosive hardware	.....X.....	.....X.....
Mildew resistant	.....X.....	.....X.....
Flame resistant tested*	.....X.....	.....X.....

Chemical Resistance: Many acids, oils, alcohols, salts, and alkalis.

*Flame resistant. Self extinguishing with flameout and afterglow less than 2 seconds after removal of ignition source. (Test Method ASTM D6413).

DuraScrim™ and DuraBlast™ are trademarks of Tingley Rubber Corp.

DURASCRI M – 8 Oz. Mat'l Wt. – 10.5 Mil Thick

JACKETS

J56207	Yellow – Storm Fly Front – Hood Snaps	S – 3XL
J56107	Yellow – Storm Fly Front – Attached Hood	S – 5XL

OVERALLS

O56007	Yellow – Plain Front	S – 3XL
O56107	Yellow – Snap Fly Front	S – 5XL

PANTS

P56007	Yellow – Plain Front	S – 3XL
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SUIT

S56307	Yellow – 3 Piece Suit – Jacket – Storm Fly Front – Detachable Hood – Snap Fly Front Overall	S – 5XL
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COAT

C56207	Yellow – 48" – 2 Patch Pockets – Vented Cape Back – Hood Snaps	M – 4XL
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HOOD

H56107	Yellow – Detachable	L
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DURABLAST – 8 Oz. Mat'l Wt. – 10.5 Mil Thick

JACKET

J56147	Yellow – Storm Fly Front – Attached Hood – Hook & Loop Closures	S – 5XL
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OVERALL

O56047	Yellow – Plain Front – Hook & Loop Take-Ups	S – 5XL
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ELECTRA™

Safety Rainwear for Utility Workers



Tingley Electra is designed to meet the special demands of utility workers.

FEATURES & BENEFITS

	ELECTRA
Full cut shoulder with 90° sleeve to body angle for maximum freedom of movement	X
Therm-O-Rad sealed seams, for 100% waterproof protection	X
Zipper/storm fly front seals out wind, rain, and contaminants	X
Full flame resistant corduroy collar with hood in collar construction	X
Non-conductive hardware	X
Oversized 3 piece hood with adjustable hook & loop take-up strap	X
Full-vented cape back for improved air circulation	X
D-ring access for fall protection harness	X
Self material suspenders, and crossover	X
Heavy duty quick release suspender buckles	X
Easy access cargo pockets with closure	X
Hook & loop take-up straps for adjustable fit	X
Mildew resistant	X
Flame resistant tested*	X

Chemical Resistance: Many acids, oils, alcohols, salts, and alkalis.

*Flame resistant. Self extinguishing with flameout and afterglow less than 2 seconds after removal of ignition source. (Test method ASTM D6413).

Electra™ and Job Sight™ are trademarks of Tingley Rubber Corp.

Nomex® is a registered trademark of E.I. du Pont de Nemours and Company

The Electra™ Is Lightweight With Flame Resistant PVC On Nomex®

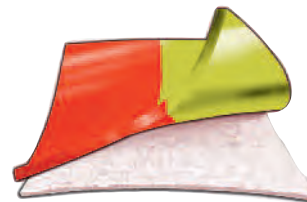
The combination of flame resistant PVC coating on non-woven Nomex provides excellent thermal performance and maintains 100% waterproof protection, in a soft, lightweight rainsuit.

- Conforms to ASTM F1891 for Arc Thermal Performance.
- ANSI/ISEA 107 Class 3 compliant suit, jacket, and coat for high visibility.
- 2" silver reflective trim reflects light for 360° nighttime conspicuity.
- Fluorescent background colors for excellent daytime visibility.

Ideal Applications: Line Workers, Trouble Shooting, Substation, Switching, Pipeline Services, and Construction.



Zipper/storm fly front seals out wind, rain, and contaminants. Full corduroy collar with hood in collar construction for comfort and convenience.



Full-vented cape back for improved air circulation. D-ring access for fall protection harness.

Thermal Performance Information Conforming To ASTM F1891 Test Method F1959

	ARC Rating	HAF%	Break Open
Electra Yellow-Green	7 cal/cm ²	69%	38.6 cal/cm ²
Electra Orange-Red	11 cal/cm ²	79.2%	36.4 cal/cm ²

ELECTRA – 9.5 Oz. Mat'l Wt. – 15 Mil Thick

JACKETS

J42122	Fluorescent Yellow-Green - Attached Hood - Silver Reflective Tape	S – 5XL
J42129	Fluorescent Orange-Red - Attached Hood - Silver Reflective Tape	S – 5XL

OVERALLS

O42122	Fluorescent Yellow-Green - Snap Fly Front - Silver Reflective Tape	S – 5XL
O42129	Fluorescent Orange-Red - Snap Fly Front - Silver Reflective Tape	S – 5XL

COATS

C42122	Fluorescent Yellow-Green - Attached Hood - Silver Reflective Tape	S – 4XL
C42129	Fluorescent Orange-Red - Attached Hood - Silver Reflective Tape	S – 4XL



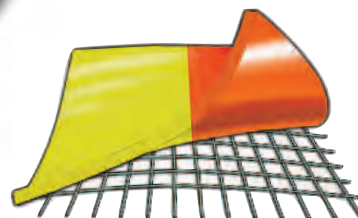
High visibility, flame resistant rainwear at its best!

Comfort-Brite® - The Ultimate General Purpose Rain Suit

Highly visible, flame resistant, and loaded with special features. Comfort-Brite is lightweight, durable, and affordable.

- ANSI/ISEA 107 Class 3 compliant suit, jacket, and coat for high visibility.
- Flame resistant. Self extinguishing with flameout and afterglow less than 2 seconds after removal of ignition source. Test method ASTM D6413.
- Loaded with special features for multipurpose applications.
- Fluorescent orange-red or yellow-green background material for excellent daytime visibility.
- 2" silver reflective tape reflects light for 360° nighttime conspicuity.

Ideal Applications: Utilities, Telecommunications, Construction, Transportation, DOT's, Municipalities, Waste Management, and General Industry.



FEATURES & BENEFITS

COMFORT-BRITE

Full cut shoulder with 90° sleeve to body angle for maximum freedom of movement	X
Therm-O-Rad sealed seams for 100% waterproof protection	X
Zipper/storm fly front seals out wind, rain, and contaminants	X
Non-conductive hardware	X
Roll-a-way hood in collar design for added convenience	X
Full-vented cape back for improved air circulation	X
D-ring access for fall protection harness	X
Suspenders with quick release buckles and crossover	X
Easy access cargo pockets with closure	X
Hook and loop take-up straps on sleeve and ankle cuffs for adjustable fit	X
Mildew resistant	X
Flame resistant tested*	X

Chemical Resistance: Many acids, oils, alcohols, salts, and alkalis.

*Flame resistant. Self extinguishing with flameout and afterglow less than 2 seconds after removal of ignition source. (Test method ASTM D6413).

Comfort-Brite® is a registered trademark of Tingley Rubber Corp.

Job Sight™ is a trademark of Tingley Rubber Corp.

COMFORT-BRITE - .35MM – 14 Mil Thick

JACKETS

J53122	Fluorescent Yellow-Green - Attached Hood - Silver Reflective Tape	S – 5XL
J53129	Fluorescent Orange-Red - Attached Hood - Silver Reflective Tape	S – 5XL

OVERALLS

O53122	Fluorescent Yellow-Green - Snap Fly Front - Silver Reflective Tape	S – 4XL
O53129	Fluorescent Orange-Red - Snap Fly Front - Silver Reflective Tape	S – 5XL

COAT

C53122	Fluorescent Yellow-Green - Attached Hood - Silver Reflective Tape	S – 4XL
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ICON™ Be Seen... Be Safe... Be Cool...



The Icon for premium breathable, high visibility outerwear.

The Icon™ Premium ANSI Compliant Breathable And High Visibility Outerwear - Polyurethane On 300 Denier Polyester

Engineered to provide superior comfort and safety in the toughest work environments.

- ANSI/ISEA 107 Class 3 compliant suit, jacket, and coat for high visibility and breathability.
- Loaded with premium features for multipurpose applications.
- Fluorescent background colors for excellent daytime visibility.
- 2" silver reflective tape reflects light for 360° nighttime conspicuity.
- Icon 3.1™ jacket system (style J24172) comes standard with removable fleece jacket for all season comfort and use.

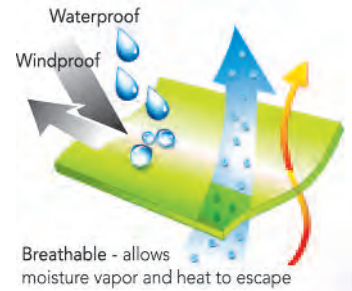
Ideal Applications: For use in environments where high visibility and breathability are desired for wearer safety and comfort.



Zipper/storm fly front with throat guard. D-ring access for fall protection harness. Roll-a-way, adjustable hood in collar, and mesh/taffeta lining.



Removable 300g fleece jacket available in Icon 3.1 style J24172 or as a stand alone jacket style J72003.



FEATURES & BENEFITS

	ICON	ICON 3.1
Waterproof, breathable fabric for all season comfort	X	X
Overhead shoulder design for complete freedom of movement	X	X
Stitched and taped sealed seams for 100% waterproof protection	X	X
Zipper/storm fly front with throat guard, seals out wind and rain	X	X
Roll-a-way adjustable hood in collar design for added convenience	X	X
Full-vented cape back for improved air circulation	X	X
D-ring access for fall protection harness	X	X
Mesh/taffeta lining for added comfort	X	X
Hand warmer side pockets with front cargo pockets and hook and loop closure	X	X
Convenient front radio pocket with exterior badge holder	X	X
Inner breast pocket with zipper closure	X	X
Elastic cuffs with hook and loop take-up straps on sleeves	X	X
Tapered sweep with adjustable elastic drawcord on jacket for added protection	X	X
2 Mic Tabs	X	X
Heavy duty suspenders with quick release buckles and crossover	X	X
Hook and loop take-up straps on leg cuffs	X	X
Take-up snaps on overall waist for adjustable fit	X	X
Icon jackets have inner attachment system to accommodate Phase 3™ (J25022) or black fleece jacket (J72003) as a liner	X	X

FLEECE JACKET/ICON 3.1 LINER

300 gram insulating black fleece jacket can be zipped in and out of Icon	X
Fleece jacket has 2 slash pockets with zippers and adjustable elastic drawcord	X

Icon™, Icon 3.1™, Phase 3™, and Job Sight™ are trademarks of Tingley Rubber Corp.



ICON – 5.5 Oz. Mat'l Wt. – 12 Mil Thick

JACKETS

J24122	Fluorescent Yellow-Green-Black - Attached Hood - Silver Reflective Tape	S – 5XL
J24129	Fluorescent Orange-Red-Black - Attached Hood - Silver Reflective Tape	S – 5XL

OVERALLS

O24122	Fluorescent Yellow-Green - Snap Fly Front - Silver Reflective Tape	S – 5XL
O24129	Fluorescent Orange-Red - Snap Fly Front - Silver Reflective Tape	S – 5XL

COAT

C24122	Fluorescent Yellow-Green - 48" - Attached Hood - Silver Reflective Tape	S – 5XL
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ICON 3.1 – 5.5 Oz. Mat'l Wt. – 12 Mil Thick Shell – 300g Fleece Jacket

JACKET SYSTEM

J24172	Fluorescent Yellow-Green-Black - Attached Hood - Silver Reflective Tape Removable Black Fleece Jacket	S – 5XL
J72003	Black Fleece Jacket - Replacement Liner	S – 5XL

VISION™ Be Seen... Be Safe... Be Cool...



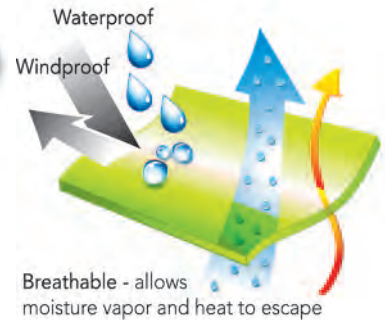
Work in comfort and safety.

The Vision™ For Affordable, Breathable, High Visibility Safety Outerwear - Polyurethane On 150 Denier Polyester

An innovative product that is ANSI 107 compliant for high visibility and breathability. The Vision provides all season comfort at an affordable price.

- ANSI/ISEA 107 Class 3 compliant suit and jacket for high visibility and breathability.
- Designed for use in multipurpose applications.
- Fluorescent yellow-green background material for excellent daytime visibility.
- 2" silver reflective tape reflects light for 360° nighttime conspicuity.

Ideal Applications: For use in environments where high visibility and breathability are desired for wearer safety and comfort.



FEATURES & BENEFITS

	VISION
Waterproof, breathable fabric for all season comfort	X
Full cut shoulder with 90° sleeve to body angle for maximum freedom of movement	X
Stitched and taped sealed seams for 100% waterproof protection	X
Storm fly front seals out wind and rain	X
Non-conductive, non-corrosive hardware	X
Roll-a-way hood in collar design for added convenience	X
Easy access cargo pockets with hook and loop closure	X
Suspenders with quick release buckles and crossover	X
Elastic waist pants with adjustable drawcord	X
Side openings on pants with flap closure	X
Hook and loop take-up straps on sleeves and ankle cuffs for adjustable fit	X
Mildew resistant	X



VISION – 4 Oz. Mat'l Wt. – 7 Mil Thick

JACKET

J23122	Fluorescent Yellow-Green - Attached Hood - Silver Reflective Tape	S – 5XL
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OVERALL

O23122	Fluorescent Yellow-Green - Snap Fly Front - Silver Reflective Tape	M – 5XL
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PANTS

P23122	Fluorescent Yellow-Green - Snap Fly Front - Silver Reflective Tape	S – 5XL
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Vision™ and Job Sight™ are trademarks of Tingley Rubber Corp.

Bomber & Bomber II Be Seen... Be Safe... Be Warm...



Engineered for superior performance in cooler climates.



The Bomber Premium ANSI Compliant High Visibility Insulated Jacket

Made to provide superior warmth, comfort, and safety in the harshest conditions.

- ANSI/ISEA 107 Class 3 compliant, 100% waterproof, jacket for high visibility.
- Loaded with premium features for multipurpose applications.
- Fluorescent yellow-green background material for excellent daytime visibility.
- Fleece body lining and quilted polyester sleeve lining provide warmth and comfort.
- 300 denier polyester shell for excellent durability and performance.
- 2" silver reflective tape reflects light for 360° nighttime conspicuity.
- 5 exterior and 3 interior pockets for added convenience.

The Bomber II ANSI Compliant High Visibility Insulated Jacket

A highly visible insulated winter wear jacket designed to provide warmth, comfort and safety at an affordable price.

- ANSI/ISEA 107 Class 3 compliant, 100% waterproof, jacket for high visibility.
- Fluorescent yellow-green or orange-red background material for excellent daytime visibility.
- Quilted polyester lining provides warmth and comfort.
- 210 denier polyester shell for great wear.
- 2" silver reflective tape reflects light for 360° nighttime conspicuity.

FEATURES & BENEFITS

	BOMBER	BOMBER II
Overhead shoulder design for complete freedom of movement	X	X
Storm fly front and zipper front closure seal out wind and rain	X	X
Roll-a-way hood in collar for your convenience	X	X
Front hand warmer pockets with closure	X	
Slash front pockets with closure		X
Left breast radio pocket with flap closure	X	X
Heavy duty stretch knit cuffs and waist for comfortable fit	X	
Elasticized cuffs and waist for comfortable fit		X
Dark colored front helps conceal dirt	X	X
Stitched and taped seams for 100% waterproof protection	X	X
Waterproof underarm zipper vents to help reduce heat and moisture	X	
2 Mic Tabs	X	X

BOMBER – 6.0 Oz. Mat'l Wt. – 12 Mil Thick Shell

JACKET

J26002	Fluorescent Yellow-Green-Black - Silver Reflective Tape - Fleece Liner - Attached Hood	S – 5XL
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BOMBER II – 4.0 Oz. Mat'l Wt. – 6 Mil Thick Shell

JACKET

J26112	Fluorescent Yellow-Green-Black - Silver Reflective Tape - Polyester Quilted Liner - Attached Hood	S – 5XL
J26119	Fluorescent Orange-Red-Black - Silver Reflective Tape - Polyester Quilted Liner - Attached Hood	S – 5XL

To View Product Video



Ideal Applications: Bomber and Bomber II are for use in environments where high visibility and warmth are desired for wearer safety and comfort.



Class 2 Vests

Lightweight, affordable Class 2 vests feature breathable mesh or solid polyester material with hook and loop or zipper closures. 2" silver reflective tape.



V71622 • Lime



V70722 • Lime



V70629 • Orange
V70622 • Lime



V70632 • Lime
V70639 • Orange

Additional specialty styles include:

Two-Tone



V70642 • Lime / V70649 • Orange

5 Point Breakaway



V70522 • Lime / V70529 • Orange

Adjustable



V70839 • Orange / V70832 • Lime

Surveyor Styles



V73832 • Lime

Two-Tone



V73859 • Orange



V73852 • Lime

Safe, Comfortable, Durable Protection

Class 3 Vests

Comfortable, durable, Class 3 vests constructed of breathable mesh material with hook and loop or zipper closure.



V70022 • Lime



Two-Tone

V70332 • Lime
V70339 • Orange

Class 2 and 3 T-Shirts

T-Shirts utilize Birds Eye polyester, high wicking moisture management fabric.



S75029 • Orange / S75022 • Lime



S75522 • Lime

Class 3 Sweatshirts

Sweatshirts are constructed of a comfortable high density polyester material.



S78029 • Orange / S78022 • Lime



S78122 • Lime / S78129 • Orange

Class E Pants

Comfortable, durable, Class E pants constructed of breathable mesh material and elastic waist with drawcord.



P70029 • Orange / P70022 • Lime

Two-Tone



P70032 • Lime

CLASS 2 VESTS

V71622	Polyester Solid – Hook & Loop Closure – 2 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
V70722	Polyester Mesh – Hook & Loop Closure – 2 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
V70629	Polyester Mesh – Hook & Loop Closure – 2 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
V70622	Polyester Mesh – Zipper Closure – 4 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
V70632	Polyester Mesh – Zipper Closure – 4 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X

TWO-TONE

V70642	Polyester Mesh – Zipper Closure – 4 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
V70649	Polyester Mesh – Zipper Closure – 4 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X

5 POINT BREAKAWAY

V70522	Polyester Mesh – Hook & Loop Closure – Breakaway Hook & Loop at Shoulders, Sides and Front – 2 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
V70529	Polyester Mesh – Hook & Loop Closure – Breakaway Hook & Loop at Shoulders, Sides and Front – 2 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X

ADJUSTABLE

V70839	Polyester Mesh – Zipper Closure – 2 Mic Tabs – 4 Interior Pockets	M/XL, 2X/5X
V70832	Polyester Mesh – Zipper Closure – 2 Mic Tabs – 4 Interior Pockets	M/XL, 2X/5X

SURVEYOR STYLE

V73832	Polyester Solid Front, Mesh Back – Zipper Closure – 2 Mic Tabs – 5 Exterior Pockets – 3 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
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SURVEYOR STYLES – TWO-TONE

V73859	Polyester Solid Front, Mesh Back – Zipper Closure – 2 Mic Tabs – 5 Exterior Pockets – 3 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
V73852	Polyester Solid Front, Mesh Back – Zipper Closure – 2 Mic Tabs – 5 Exterior Pockets – 3 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X

CLASS 3 VESTS

V70022	Polyester Mesh – Hook & Loop Closure – 2 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
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TWO-TONE

V70332	Polyester Mesh – Zipper Closure – 2 Mic Tabs – 4 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X
V70339	Polyester Mesh – Zipper Closure – 2 Mic Tabs – 4 Interior Pockets	S/M, L/XL, 2X/3X, 4X/5X

CLASS 2 T-SHIRTS

S75029	Short Sleeve – 1 Pocket	S - 5X
S75022	Short Sleeve – 1 Pocket	S - 5X

CLASS 3 T-SHIRTS

S75522	Long Sleeve – 1 Pocket	S - 5X
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CLASS 3 SWEATSHIRTS

S78029	Crew Neck – 1 Pouch Pocket	S - 5X
S78022	Crew Neck – 1 Pouch Pocket	S - 5X
S78122	Hooded – Zipper Closure – 2 Pockets	S - 5X
S78129	Hooded – Zipper Closure – 2 Pockets	S - 5X

CLASS E PANTS

P70029	Polyester Mesh – 2 Side Pass Through Openings – 1 Exterior Pocket	S/M, L/XL, 2X/3X, 4X/5X
P70022	Polyester Mesh – 2 Side Pass Through Openings – 1 Exterior Pocket	S/M, L/XL, 2X/3X, 4X/5X

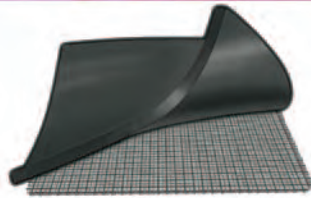
TWO-TONE

P70032	Polyester Mesh – 2 Side Pass Through Openings – 1 Exterior Pocket	S/M, L/XL, 2X/3X, 4X/5X
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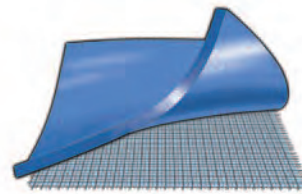
General Purpose Rainsuits,

Designed for 100 percent waterproof protection, our general purpose line of rainsuits are generously cut for ease of movement and comfort. With such features as electronically welded seams, attachable and detachable hoods, easy access cargo pockets, vented cape backs, snaps for adjustable fit, and heavy duty zippers, they are great for work or play. These imported suits are made to meet Tingley's high standard for quality.



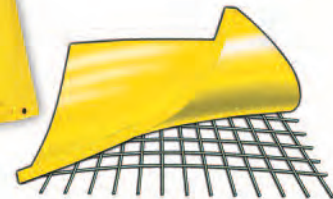
Stormflex®

- .40mm Polyurethane on Stretch Knit
- Stretchable material provides unsurpassed comfort
- Includes zipper front, hood-in collar, hook & loop take-up straps and more
- Ideal for active recreation



Storm-Champ®

- .20mm PVC on Nylon
- Lightweight, soft, and generously cut
- Includes zipper front, hook & loop take-up straps, pockets, and more
- Ideal multipurpose suit



.35mm Industrial Work

- .35mm PVC on Polyester
- Durability at an economical price
- Storm fly front, take-up snaps, non-conductive hardware, and more
- Ideal for general purpose work environments

Generous Features

Tuff-Enuff™

- .20mm single ply PVC
- Tough enough to reuse, economical enough to throw away
- Storm fly front, take up snaps, and non-conductive hardware
- Ideal for light duty general industry



Tuff-Enuff Plus™

- .25mm double ply PVC
- Lightweight and affordable
- Zipper front, take-up snaps, vented cape back, and more
- Ideal for multiple applications with light duty



Comfort-Tuff®

- .35mm PVC on Polyester
- Lighter weight, versatile, and durable
- Includes zipper front, hood-in collar, corduroy lined collar, take-up snaps, and more
- Ideal for general purpose applications



Poncho

- One size fits all Ponchos can be easily stored for convenient use when unexpected weather hits.



INDUSTRIAL WORK – .35MM PVC ON POLYESTER – 14 Mil Thick

JACKETS		
J53207	Yellow – Detachable Hood	S – 3XL
J53107	Yellow – Storm Fly Front – Attached Hood	S – 3XL

OVERALL

O53107	Yellow – Snap Fly Front	S – 3XL
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SUIT

S53307	Yellow – 3 Pc – Jacket – Storm Fly Front – Detachable Hood – Fly Front Overall	M – 5XL
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COAT

C53217	Yellow – 48" – Storm Fly Front – Detachable Hood	S – 2XL
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TUFF-ENUFF PLUS – .25MM DOUBLE PLY PVC – 10 Mil Thick

SUITS

S62211	Blue – 2 Pc – Jacket – Zip Front – Snap Fly Front Pants – Retail Packed	S – 3XL
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S62217	Yellow – 2 Pc – Jacket – Zip Front – Snap Fly Front Pants – Retail Packed	S – 3XL
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TUFF-ENUFF – .20MM SINGLE PLY PVC – 8 Mil Thick

SUIT

S61317	Gold – 3 Pc – Jacket – Storm Fly Front – Detachable Hood – Plain Front Overalls – Retail Packed	S – 3XL
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COAT

C61210	Clear – 48" – Storm Fly Front – Detachable Hood – Retail Packed	XS – 3XL
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COMFORT-TUFF – .35MM PVC ON POLYESTER – 14 Mil Thick

SUITS

S63217	Yellow – 2 Pc – Jacket – Storm Fly Front – Attached Hood – Fly Front Overalls – Retail Packed	S – 3XL
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S63219	Blaze Orange – 2 Pc – Jacket – Storm Fly Front – Attached Hood – Fly Front Overalls – Retail Packed	S – 3XL
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STORM-CHAMP – .20MM PVC ON NYLON – 8 Mil Thick

SUITS

S66211	Royal Blue – 2 Pc. – Jacket – Zipper Front – Attached Hood – Plain Front Waist Pants – Retail Packed	S – 5XL
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S66218	Forest Green – 2 Pc. – Jacket – Zipper Front – Attached Hood – Plain Front Waist Pants – Retail Packed	S – 3XL
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STORMFLEX – .40MM POLYURETHANE ON STRETCH KNIT – 16 Mil Thick

JACKET

J67113	Black – Zipper Front – Attached Hood – Retail Packed	S – 2XL
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PANTS

P67013	Black – Plain Front – Retail Packed	S – 2XL
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PONCHOS – .10MM PONCHOS - One Size Fits All – 50" x 80"

PONCHOS

P68800	Clear – Attached Hood – Side Snaps – Retail Packed	
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P68808	O.D. – Attached Hood – Side Snaps – Retail Packed	
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P68809	Orange – Attached Hood – Side Snaps – Retail Packed	
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