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 Style CI124

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

Economy: Is made from basic PVC resins and includes some recycled PVC. Our Economy line, as the name implies, is a good choice for less demanding general purpose applications. The formula will not provide the same resistance to most chemicals that our other PVC formulations provide. Available in Styles 31151, 31251

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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 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.

PREMIER™ The Standard for Performance and Comfort

"Tough comfort" for food and petrochemical work.

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/I/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.**

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:
CI124 Sizes S-XL

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

***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.*

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.