

# Over the Sock Footwear Guide...

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

Our line of triple 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 products 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, MB923B, MB924B, MB926B



**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 retardation 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 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, 51446, 61138



**General Purpose:** Is made from basic PVC resins and includes some recycled PVC. Our General Purpose line, as its name implies, is a good choice for less demanding general purpose applications. This formula will not provide the same resistance to most chemicals that our other PVC formulations provide. Available in Styles 31144, 31244

## 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 C1124, CIM106



### EVA Contour Insole:

**Better Comfort.** Cushioned removable EVA insole absorbs shock for added comfort. Available in Style CIM916



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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, 51446, 61138



**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, MB923B, MB924B



**Sure Grip** has excellent abrasion and slip resistance. Open cleats help spit out debris. Available on Style 82330

## 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. ANSI 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 ANSI Z41 PT99 M1/75 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.



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