

GLOSSARY OF TERMS

Anti-Static/Conductive: Ranges from 10^3 - 10^6 ohms per square. Prevents build-up of static by removing static charge quickly. This matting should not be used in volatile or explosive environments and must be properly grounded at regular intervals.

Anti-Microbial Mats: The mat is produced with an anti-microbial agent which prevents/inhibits the growth of microorganisms on the mat surface and is tested to work under extreme conditions to withstand a multitude of bacteria and fungi. The anti-microbial agent in this product inhibits organism growth on the matting. This product does not impart anti-microbial activity to surfaces that it may come in contact with.

Anti-Static/Static Dissipative: Ranges from 10^6 - 10^{10} ohms per square. Quickly removes a static charge without creating a spark. Grounding cords are required for optimal performance.

Compression: The relationship between pressure, measured in pounds per square inch (PSI), and compression of a mat. A compression deflection of 7 PSI simulates the average weight of a worker - results are translated into inches. A higher number signifies greater softness or deflection. Test method ASTM 1667.

Custom Cuts: Specially cut mats usually cut to lengths, but some mats can be custom-cut both length and width to fit defined areas.

Durometer: A measure of the softness/hardness of a mat's surface material. We use Shore "00" scale on foam mats and Shore "A" scale on solid materials. The higher the number, the firmer the surface of the mat.

Exclusive Fusion Technology (EFT): A proprietary Crown process that permanently fuses foam backing to solid-top surfaces without the use of hazardous adhesives, eliminating the problem of the surfaces separating. Mats with this process are guaranteed for three years against delamination.

Nitrile: Added to rubber or plastic compositions, nitrile reduces the absorption of oils into standard rubber, which causes matting to swell and become slippery. For oily areas, use a mat blended with nitrile.

Non-Conductive: Non-conductive matting protects workers from electrical shock when operating high-voltage equipment. All of our switchboard matting has non-conductive properties.

Polypropylene/Olefin: Yarn extruded from polypropylene pellets into very fine filaments that are entangled to make mat yarn. Colors are added to melted polypropylene before extrusion. The most common yarn used in entrance matting.

Quick-Ship Program: Crown's "Out the Door in 24" hours program. An order placed by 4:00 pm (EST) will ship within 24 hours. The entire order must be Quick-Ship items. A brochure with details is available.

Resilience: A key factor in defining anti-fatigue matting. A mat's resilience, or "bounce," is what aids in the removal of lactic acid from the muscles, reducing fatigue. The higher the number, the more resilient the matting. A resilience of 25+ provides a significant increase in worker comfort.

Ribbon Polypropylene: This ribbon yarn is extruded from coarse polypropylene pellets.

Scraper Mat: A mat for outdoor or indoor use that aggressively scrapes dirt, debris and snow from shoes and traps it beneath the mat's surface. Not recommended for removing dust or moisture from shoes.

Tabor Abrasion: A measure of wear resistance. Measures weight loss (in grams) resulting from 1,000 or 2,000 revolutions of a Tabor abrasion wheel over the surface of the mat. The best way to determine a mat's life expectancy.

Wear-Bonded: Our newest innovation in vinyl anti-fatigue matting. This proprietary process manufactures a durable, high-density top surface foam and a lower density, softer base foam simultaneously. The result is a single, permanently bonded product with an excellent balance of wear and comfort.

Wiper Mat: Best way to remove dust and moisture from shoes. Should be used in combination with a wiper/scrapper and scraper, because otherwise dirt and debris can collect on top of the mat. Not recommended for heavy dirt or debris or for high moisture areas.

Wiper/Scraper Mat: Designed to clean shoes and absorb moisture. Works best when used following a scraper mat or in conjunction with a wiper mat. When used alone, wiper/scrapper mats need to be longer to clean shoes effectively.

Zedlan: A revolutionary ergonomic foam developed by Crown for increased resilience and wear. Zedlan is a specially patented foam offering comfort, durability and high performance (patent #5,965,650). For Zedlan's ultimate anti-fatigue relief, look for our Comfort King or Worker's Delight logo.