NOTRAX®

Justrite Safety Group

RedStop™
Anti-Slip Technology



No Slip, No Slide, NoTrax RedStop™

RedStop is a uniquely engineered technology that virtually eliminates the slipping and sliding of NoTrax floor mats on all types of smooth floor surfaces such as vinyl composite tile, painted or epoxy coated concrete, vinyl sheet flooring, carpet, and ceramic tile. RedStop provides increased friction between the underside of the mat and a clean, dry floor surface anchoring the mat in place, without leaving a tacky or sticky residue. All NoTrax brand laminated floor mats for industrial and commercial markets are manufactured with RedStop.

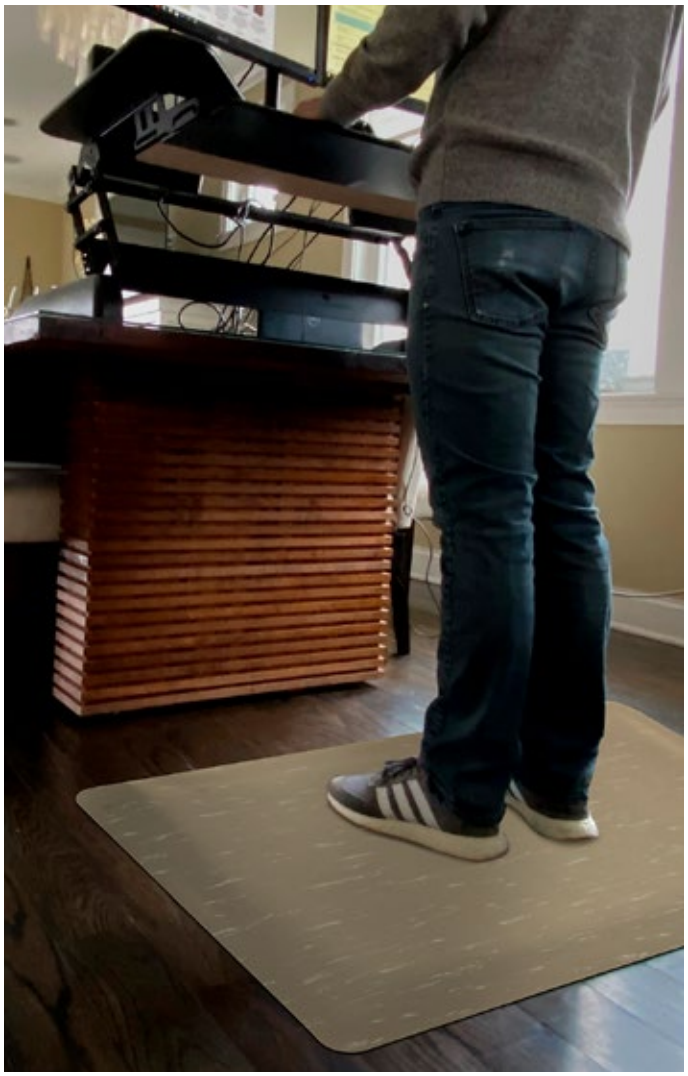
What is Mat Slippage?

When discussing floor matting and the topic of slip resistance or anti-slip, most often it is in reference to the matting surface and the user standing or walking on the surface of the mat. But mat slippage refers to the movement of the mat itself and the interaction between the underside of the mat and the floor surface it rests on. This is more prevalent in work environments with smooth, treated, or sealed floor surfaces.

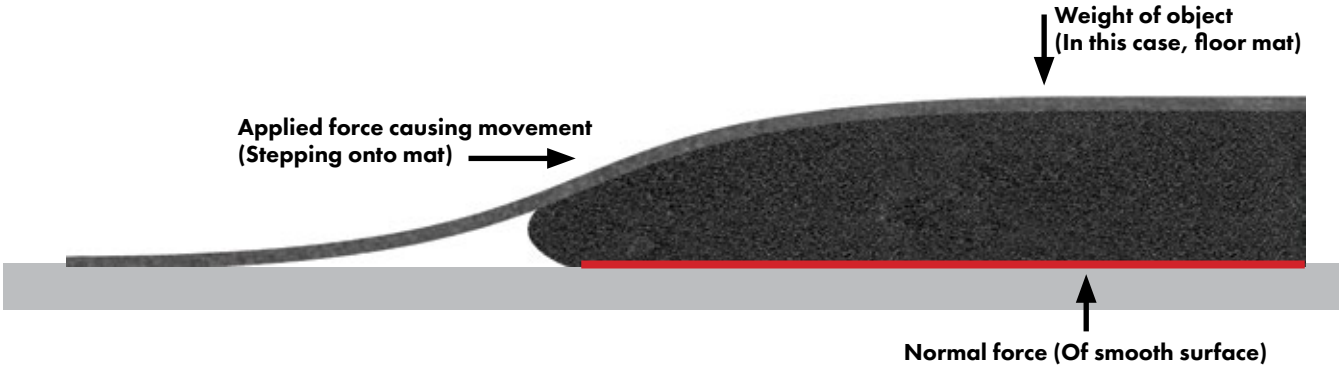
Mat slippage most often occurs when the user is stepping on or off the mat, or if there is a great deal of pivoting or movement required for the application. Smaller sized floor mats placed at work cell or individual station environments tend to move more than larger mats whose weight is often significant enough to keep it in place.

Mat slippage can create serious slip and fall concerns, so much so that the Occupational Safety and Health Administration (OSHA) recommends a coefficient of friction of a least 0.5 as a guide to achieve proper slip resistance for walking/working surfaces (see "Science of Slippage" next page).





The Science of Slippage



Mat movement or slippage is tested and evaluated based on its Coefficient of Friction (COF). Coefficient of friction measures the ratio of the force of friction between two bodies and the force pressing them together. The coefficient of friction depends on the materials used; for example, ice on steel has a low COF, while rubber on pavement has a high COF. Coefficients of friction range from near zero to greater than 1 (the greater the number, the higher degree of friction or slip resistance).

The Occupational Safety and Health Administration (OSHA) recommends a coefficient of friction of at least 0.5 which is based upon studies by the University of Michigan*, as a guide to achieve proper slip resistance for walking/working surfaces. A higher COF value may be necessary for certain work tasks, such as carrying objects, pushing or pulling objects, or walking up or down ramps. COF values are not absolute and may be affected by variables such as temperature, humidity, and regarding floor matting, the weight pressing the mat to the floor and the condition of the floor surface (wet, oily, dirty, etc.).

**"Work Surface Friction: Definitions, Laboratory and Field Measurements, and a Comprehensive Bibliography"*

How Do NoTrax RedStop Products Measure Up?

NoTrax floor matting with RedStop offer at least double the recommended coefficient of friction recommended by OSHA with an average COF of 1.25*, and 56% greater COF than the closest competitive matting product*.

Flooring surfaces tested included VCT (vinyl composite tile), vinyl flooring (linoleum), painted concrete, epoxy coated concrete, carpeting, and ceramic tile. RedStop products were also tested on these floor surfaces at various temperatures.

Select RedStop products have been certified by the NFSI (National Floor Safety Institute) with more certifications pending. The NFSI certification requires a minimum coefficient of friction of 0.6, even more stringent than OSHA.

The NFSI is a not-for-profit organization whose mission is to aid in the prevention of slips, trips-and-falls through education, research, and standards development. They perform independent evaluation of slip resistance on floor mats, coatings, cleaning agents, etc., and provide information to end-users to aid in their purchasing decisions. In order to become NFSI certified, products must pass comprehensive laboratory and field testing.

**Based on third party independent test results on a variety of applicable flooring surfaces.*



RedStop Anti-Slip Technology Is Featured on These NoTrax Products:

479	Cushion Trax®
975	Cushion Trax® Ultra™
979	Saddle Trax®
490	Dura Trax®
976	Dura Trax® Ultra™
990	Dura Trax® Grande™
480	Pebble Trax®
980	Pebble Trax® Grande™
482	Bubble Trax®
782	Bubble Trax® Ultra™
982	Bubble Trax® Grande™
474	Ergo Mat™
974	Ergo Mat™ Grande™
470	Marble Sof-Tyle™
970	Marble Sof-Tyle™ Grande™
477	Woodgrain Sof-Tyle™
977	Woodgrain Sof-Tyle Grande™
826	Diamond Stat™
927	Diamond Stat™ Grande™
926	Smooth Stat™

For continued best results, proper care and maintenance of the mat and underlying floor surface is recommended. RedStop products can be cleaned without affecting the performance of the mat; in fact, regularly wiping down the underside of the mat may actually improve performance as dust and dirt particles can accumulate on floor surfaces over time.

NoTrax products with RedStop are made in the USA at an ISO 9001, and ISO 14001 certified facility and contain no silicone, ozone depleting substances, or heavy metals. The top surfaces (vinyl products only) are made from 100% recycled PVC making them a more environmentally friendly manufactured product.



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