TECHNICAL GLOSSARY

Denier / Fibre

Denier is a unit of measure for the linear mass density of fibres. It is defined as the mass in grams per 9,000 meters. Fibre is a class of materials that are continuous filaments or are in discrete elongated pieces, similar to lengths of thread.

Grit-Safe

A hard sharp granule material that provides extra traction.

Heavy-Duty Needlepunch (HDNP)

Mechanical process involving thousands of needles that orient and interlock fibres to create non-woven fabric. Fabric is able or designed to withstand unusual strain.

Low-melt

Heat treatment to the surface. This treatment will ex tend the life of the surface and the appearance of the pattern.

Microfibre

Microfibre refers to synthetic fibres that measure less than one denier. The most common types of microfibres are made from polyesters, polyamides (nylon), and/or a conjugation of polyester and polyamide. The shape, size and combinations of synthetic fibres are selected for specific characteristics, including: softness, durability, absorption, wicking abilities, water repellency, electrodynamics, and filtering capabilities.

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 nonconductive properties.

Nylon

A designation for a family of synthetic polymers known generically as polyamides. Nylon is one of the most commonly used polymers.

P.E.T. Fibres

P.E.T. (polyethylene terephthalate) fibres are produced from recycled plastic bottles, nicknamed “pop bottle carpet”. Naturally stain resistant and do not require the chemical treatments used on most nylon carpets. Retains colour and resists fading due to sun or harsh cleaning. Colour shades can be richer and brighter than those found in nylon yarns.

Polyethylene

Created from a thermoplastic substance that is a synthetic polymer of propylene, this fibre is an excellent material for scraper matting due to its resiliency and hydrophobic properties (ability to repel water).

Polypropylene / Olefin

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

Post-Consumer

A waste type produced by the end consumer of a material stream; that is, where the waste-producing use did not involve the production of another product.

Post-Industrial Waste

Materials collected that were generated as scrap or waste material of a production run. These materials are also referred to as pre-consumer.

PVC

A thermoplastic material composed of polymers of vinyl chloride. PVC is a colourless solid with outstanding resistance to water, alcohols, and concentrated acids and alkalis.

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.

Resistivity

A measure of how strongly a material opposes the flow of electric current. A low resistivity indicates a material that readily allows the movement of electrical charge. The SI unit of electrical resistivity is the ohm meter.

Solution-Dyed

A method of dyeing synthetic fibre in which pigment is added to the nylon or polypropylene chip before it is extruded as filament yarn.

Tufted

Carpet manufactured by the insertion of tufts of yarn through a carpet backing fabric, creating a pile surface of cut and/or loop ends.

Wear-Bond

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

Exclusive technology permanently bonds two surfaces without use of glues or adhesives

Safe to use in food preparation areas

The option to include your image on the mat

Manufacturing improvement resulting in more durable and heavy-duty product

Product contains recycled content and is designed to preserve our natural resources