

3M is a Fortune 500 MNC with sales of USD 25.27 billion in 2008, with a worldwide reputation for offering Innovative solutions to help customers do their business better as innovation comes from responding to customer needs.

A Century of Innovation, living its values and innovative thinking is what makes 3M unique. Perseverance, ingenuity, and creativity have made 3M's first 100 years a century of success. For years, people around the world have looked to 3M, for products and ideas that solve problems and make their lives easier and better. That 3M is one of the world's most innovative corporations is reiterated by the fact that 30% of the annual sales comes from products that are less than four years old.

Practical and ingenious solutions that help our customers succeed:

Operates companies in more than 60 countries and sells products in more than 200 countries.

3M is a diversified technology company with more than 50,000 innovative products, has a worldwide presence in the following markets: consumer and office; display and graphics, electro and communication; health care; industrial and transportation; and safety, security and protection services.

Today 3M has more than 45 technology platforms ranging from adhesives, electronic imaging, filtration, micro-replication, non-woven material to retro-reflection.

3M in India

Our saga of innovation driven, people-centric technology continues with 3M India, the Indian arm of 3M's global operations, which is headquartered in Bengaluru. We market a variety of products in India with leading positions in key markets such as health care; industrial; display and graphics; consumer and office; safety, security and protection services; electronics and communications; and transportation.

In India, 3M has manufacturing facilities at Ahmedabad, Bengaluru, Pondicherry and Pune. The Innovation Center located at Electronic City, Bangalore is the center of 3M's research and development operations in India.

With newer markets opening and specific challenges being thrown up with changing customer needs, India forms one of 3M's key focus markets. One which surely rekindles our spirit of innovation and makes us proud to partner India in her quest for a leading position on the world scene.



A century of innovation



3M India Limited

Concorde Block, UB City, 24 Vittal Mallya Road, Bangalore - 560 001
Tel: +91 80 2223 1414 • Fax: +91 80 2223 1450

MUMBAI:
301-306 Makhija Chambers, 196 Turner Road, Turner Road Junction, Bandra (West), Mumbai - 400 050
Tel: +91 22 2655 1883/2655 1884 • Fax: +91 22 2655 1881

DELHI:
2F Second Floor, Uppal Plaza, M-6 Jasola District Centre, Jasola, New Delhi - 110 076
Tel: +91 11 4057 6207/4057 6201-3 • Fax: +91 11 4057 6204

CHENNAI:
26 A-B, Lama House, Neelakanta Mehta Street, T.Nagar, Chennai - 600 017

IMPORTANT NOTICE: 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether this 3M product is fit for a particular purpose and suitable for user's method of application.

LIMITATION OF REMEDIES AND LIABILITY: If this 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty or strict liability.

For more details visit
www.3m.com/in/building
or e-mail
building.in@mmm.com

Stock Code: IS630100011

© 3M 2009. All rights reserved



Building & Commercial Services Division



nomadTM Matting

Nomad entrance matting system

Preventing dirt outside is better than cleaning inside



Nomad Terra Loop
Matting System



Nomad Terra Z-Web
Matting System



Nomad Aqua
Matting System



Nomad Modular
Matting System



Nomad Optima
Matting System

The entrance in your building plays an important role

Dirt, grit and water tracked into a building on the soles of shoes leave unsightly marks and stains. The result is hazardous in terms of potential slips, expensive in terms of significant cleaning regimes and unsightly not only in the entrance area but in the flooring areas beyond. An effective and attractive matting system however, can assist in a more welcoming entrance area for visitors and staff. It can assist in slip reduction and plays a vital role in reducing facility maintenance costs.

Whether considering new -build projects or refurbishment of existing sites, Nomad matting will help you develop a highly efficient entrance area without compromising on interior design. As a result, we aim to enhance and protect your building, reduce facility maintenance costs and improve your safety record.

Nomad matting from 3M: Proven over many years

Almost 30 years ago 3M scientists developed a product which would effectively protect building entrances from dirt. The first Nomad matting product with its revolutionary vinyl "coiled loops" was developed incorporating carpet fibre technology 3M widely expanded its entrance matting range over the years, and today, thanks to constant innovation and expertise, a full line is available from aluminium framed matting to textile floor coverings.

As demand increases for new architectural design concepts, Nomad products are now available with an updated image and in contemporary colours. 3M assisted by external design consultants have developed the colours, finishes and patterns to ensure that the range complements surrounding fixtures and fittings.

Matting Range	Economy	Popular	Premium	Exclusive
Terra Loop	Terra Loop Low Duty	Terra Loop Medium Duty	Terra Loop Heavy Duty	
Terra Z-Web		Terra Z Web Medium Duty	Terra Z Web Heavy Duty	
Aqua	Aqua Low Duty Standard	Aqua Low Duty Plus	Aqua Medium Duty	
Modular				Modular Extra Heavy Duty
Optima				Optima Extra Heavy Duty

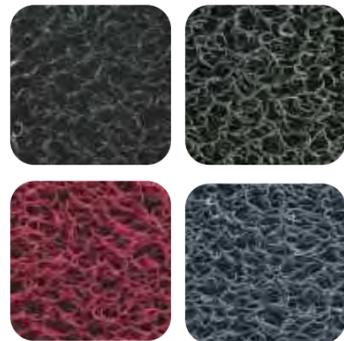
Nomad Terra

Matting System – Loop

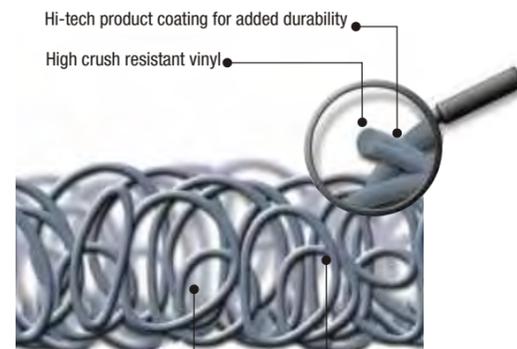
Dirt and soil needs to be trapped as soon as possible, either outside the building or in the first few metres at the entrance.

The Nomad Terra Loop matting system offers the ideal solution, wiping soil from shoes. Surface stays clean, minimizing tracking of dirt inside premises. Nomad Terra loop can either be positioned outside or inside and are available in a variety of grades for different traffic levels.

Nomad Terra Matting - Loop



- Range available from low duty to extra heavy duty.
- Durable coiled web structure removes, traps and hides high amounts of soil.
- High quality vinyl offering excellent crush resistance
- Open construction allows soil to pass through, out of sight.
- Easy to clean.
- Durable, won't flatten over time.



Product Features

- Open web construction removes, traps and hides plenty of soil. Allows easy cleaning
- Flexible coils brush shoe soles.

Technical Data

Property	Low Duty	Medium Duty	Heavy Duty	Extra Heavy Duty
Thickness* (mm) (ASTM D-418)	Minimum: 11.0	Minimum: 13.0	Minimum: 14.0	Minimum: 13.9
Weight (kg/sq.m) ASTM D-418-68	Minimum: 2.3	Minimum: 2.9	Minimum: 4.1	Minimum: 3.8
Microbiological Properties ASTM G-21-90	Inhibiting to fungal growth	Inhibiting to fungal growth	Inhibiting to fungal growth	Inhibiting to fungal growth
Flammability GB11785	B1	B1	B1	B1
Colours	Wide range available. Refer shade card.			
Pedestrian Traffic (Annual)	Upto 1.4 Lakhs	1.4 to 4 Lakhs	4 to 10 Lakhs	Above 10 Lakhs
Trolley Crossings/day	Not Advisable	Not Advisable	Minimum Light trolley traffic	Moderate Light trolley traffic
* Warranty * Conditions Apply	NIL	Limited upto 6 months	Limited upto 1 year	Limited upto 1 year

Low duty, Medium duty & Heavy duty not recommended for kitchens, oily/greasy areas & wet areas.

* Product may be compressed in package. Thickness is recovered loft. ** Swatch colours are for representation purpose only. For details, refer to application selector guide on page 18. Please contact your 3M dealer for additional colour options.



excellent
dirt removal
& hiding properties

Nomad Terra

Matting System – Z-Web

The Nomad Terra Z-web matting system offers the ideal solution for scraping soil from shoes

Its peaked edge design provides scraping action for excellent dirt removal. These mats are durable, and won't flatten over time. Their low profile allows foot and trolley traffic to move easily over mat. Nomad Terra Z-Web products are available in a variety of grades for different traffic levels.

Nomad Terra Matting - Z Web



- Suitable for medium and heavy traffic conditions.
- An unbacked, vinyl matting for use outdoors and/or in recessed wells.
- Open Z-web structure removes, traps and hides high amounts of soil.
- High-tech product coating for added durability.
- Solid construction allows light trolley traffic.
- Peaked surface offers increased slip resistance.
- Easy to clean.

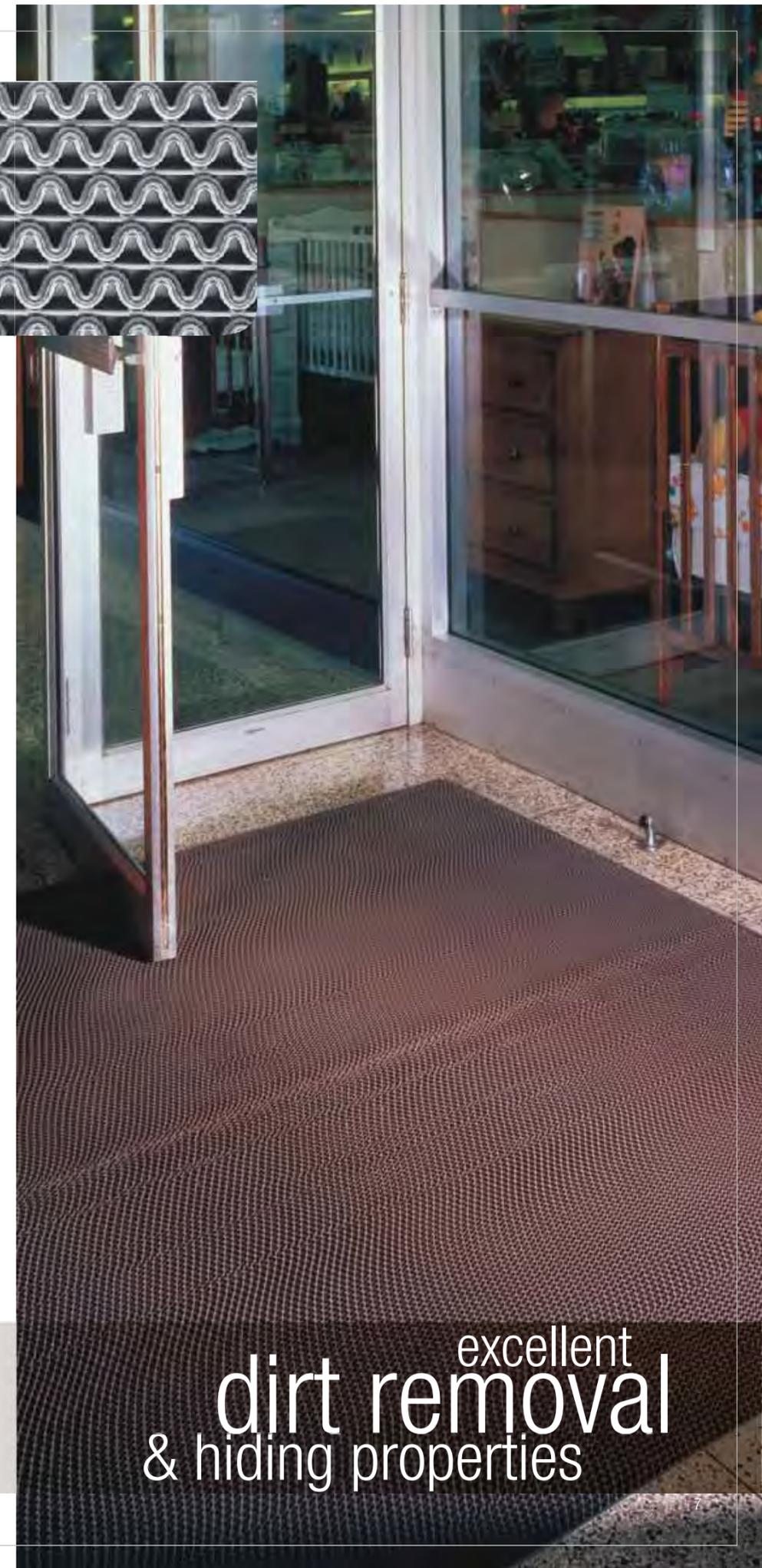


Product Features

- Raised, peaked edge for slip resistance
- Open construction allows easy cleaning
- High-tech product coating for added durability
- Solid vinyl construction resists trolley traffic
- Unbacked to allow dirt to fall through

Technical Data

Property	Medium Duty	Heavy Duty
Material	Vinyl	Vinyl
Thickness (ASTM D-418-68)	5.3 ± 0.2 mm	14.00 mm
Weight	3.485 ± 0.16 kg/sq.m	8.9 kg/sq.m
Fire Retardancy (CNS - 13591)	BS4790-87; Pass	BS4790-87; Pass low radius of char
Electrical Properties (AATCC - 134 Static Adhesion)	Pass	Pass
Antibiotic/Fungistat	Pass	Pass
Colours	Wide range available. Refer shade card.	
Pedestrian Traffic (Annual)	Upto 4 Lakhs	Above 4 Lakhs
Trolley Crossings/day	Minimum Light trolley traffic	Moderate Light trolley traffic
*Warranty * Conditions Apply	Limited upto 6 months	Limited upto 1 Year



** Swatch colours are for representation purpose only.

For details, refer to application selector guide on page 18. Please contact your 3M dealer for additional colour options.

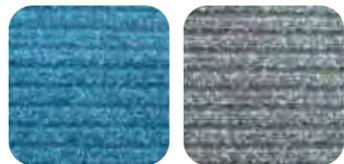
Nomad Aqua Matting System

Once inside the building, it is important to remove any remaining dirt and absorb moisture as quickly as possible. The matting used should complement the surroundings without compromising on performance.

The Nomad Aqua matting system offers a unique solution. Unlike conventional carpet style matting, the Aqua range incorporates a patented combination of coarse and fine fibres to remove dirt and moisture more effectively than conventional entrance carpet. The product construction and style also assist in hiding unsightly dirt and water stains. As a result, the Nomad Aqua products offer:

- Superior fine dirt removal and retention
- Superior water removal and retention
- Excellent appearance retention
- Excellent durability
- Easy to clean
- Simple installation - no fixing required
- A range to suit all traffic volumes

Nomad Aqua Matting (Low Duty Standard)



Nomad Aqua Matting (Medium Duty)



Nomad Aqua Matting (Low Duty Plus)



Nomad Aqua Matting (Heavy Duty)

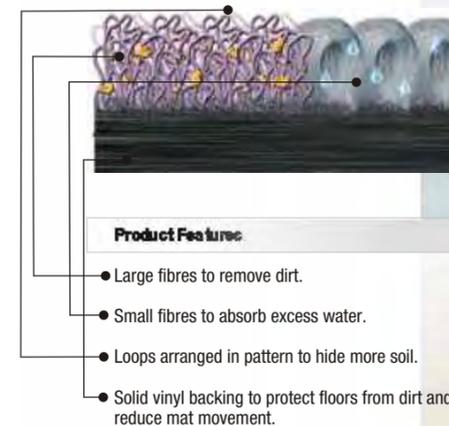


Technical Data

Property	Low Duty Standard	Low Duty Plus	Medium Duty	Heavy Duty
Thickness* (mm) (ASTM D-418)	Minimum: 7.5mm	Minimum: 8.0 mm	Minimum: 8.0 mm	Minimum: 8.1 mm
Weight (kg/sq.m) (ASTM D-418-68)	Minimum: 3.7kg/sq.m	Minimum: 3.9kg/sq.m	Minimum: 3.4kg/sq.m	Minimum: 3.5kg/sq.m
Flammability (DOC FF1-70 DIN66081)	Pass (CNS 13591)	Pass (CNS 13591)	Passes Class 1-a	Passes Class 1-a
Static Generation (AATC 134)				
Chrome leather soles	NA	NA	0.5 kilovolts	NA
Neolite soles	NA	NA	0.5 kilovolts	Step -1.88 KV Scuff -1.38 KV
Colours	Wide range available. Refer shade card.			
Pedestrian Traffic (Annual)	Upto 50,000	50,000 to 1.4 Lakhs	1.4 Lakhs to 6 Lakhs	6 Lakhs to 10 Lakhs
Trolley Crossings/day	Not Advisable	Not Advisable	Not Advisable	Moderate trolley traffic
*Warranty	NIL	NIL	Limited upto 6 months	Limited upto 1 year

* Product may be compressed in package. Thickness is recovered loft. ** Swatch colours are for representation purpose only. For details, refer to application selector guide on page 18. Please contact your 3M dealer for additional colour options.

- Textile matting for indoor applications.
- Dual fibre, loop pile arranged in attractive patterns.
- Solid vinyl backing for free standing applications.
- Excellent fire resistance (see technical data).
- Easy to clean.
- Available in mat or roll format.



maintains
appearance
& performance

Nomad Modular Matting System

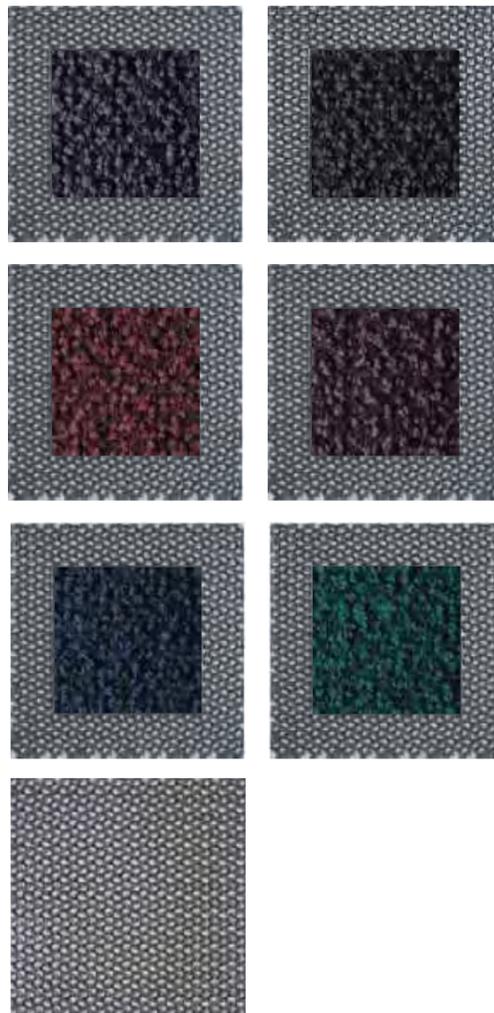
The new Nomad modular matting system combines high performance with flexible design options and easy on site installation.

The new Nomad matting system is made up of 2 tile versions. Each tile is 300x300mm square and 17mm deep incorporating a 2mm drainage foot on the bottom surface. The large open scraper profiles incorporate 'heel steps' to prevent heel trapping.

The Nomad Modular tile combines the scraper elements with a large central textile infill of dual fibre matting. This tile will remove and hold moisture.

Another option available is the Terra tile designed solely for scraping. Its scraping surface with its unique triangular, multi-angle scraping blades maximise soil removal. The large open pockets maximise soil capacity. The tiles simply clip together but are locked in place with the 'over centre' positive locking action to keep the tiles strongly connected.

Nomad Modular matting system



Product Features

- Several 'angles' to attack dirt on shoe soles
- Plenty of room for dirt particles to be stored
- Triangle shaped top for thorough scraping
- Good drainage due to 2mm 'feet' positioned everywhere below the mat

The modular system allows combinations to meet your individual design requirements. Possible combinations are:

- Outside scraper, inside mix version.
- Mixed version tile version with carpet in the centre panel surrounded by scraper tile.
- 2 different colours of mixed tile alternated.
- Patterns alternating colours with the mix version.
- Designers could choose to have the product supplied in diagonal rather than linear pattern.
- Mix version tiles can be concentrated on the areas where the traffic is more intense.

Technical Data

Property	Nomad modular matting system
Positioning	Scraper/web version - Outside/Inside Mix version - Inside
Material	Scraper/web version - Vinyl Mix version - Vinyl/Polyamide
Total weight scraper/web	9.1 Kg/sqm
Total weight mix	10.0 Kg/sqm
Total pile weight for textile pad on mix version: ISO 8543	770g/sqm
Effective pile weight for textile pad on mix version: ISO 8543	635g/sqm
Total thickness scraper/web	17.5mm
Total thickness mix	19.5mm
Pile thickness for textile pad on mix version: ISO 1766	4.8mm
Tufts/sqm for textile pad & mix version: ISO 1763	110,000
Flammability: EN ISO 9239-1	Scraper/web version - Dfl.s2 (Cfl.s 1 ongoing) Mix version - CFl.s 1
Dimensional stability (%)	-0.3
Pedestrian Traffic (Annual)	Above 10 Lakhs
Trolley Crossings/day	Suitable for medium/high trolley traffic

high
performance
with flexible design

** Swatch colours are for representation purpose only.

For details, refer to application selector guide on page 18. Please contact your 3M dealer for additional colour options.

Nomad Optima Matting System

In large commercial buildings with extreme traffic conditions, it is important to install a durable matting system which will remove and retain large amounts of dirt and moisture while maintaining excellent appearance over time.

Nomad Optima aluminium frame matting offers an excellent combination of both dirt and water removal, without compromising on the aesthetics. Unlike conventional aluminium systems, Nomad Optima matting contains high performance textile infills of Nomad Aqua Extra Heavy Duty matting. These offer excellent water absorption to complement the soil scraping action of the aluminium. Available in 3 depths, Nomad Optima matting is suitable for all types of location and traffic whether pedestrians, trolleys or small vehicles.

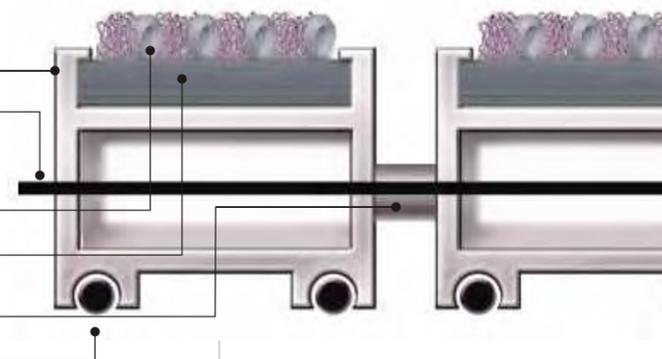
Nomad Optima Matting



- Nomad Optima is presented in easy to install interlocking aluminium planks.
- This flexible modular approach, with no templating requirement makes installation into square, oblong or irregular wells easy.
- A modular approach means fast installation.
- Standard flooring accessories such as edge trims and T bars can be used making the job neat and professional.

Product Features

- Durable aluminium provides impact resistance.
- Flexible stainless steel extra-resistant rope.
- Rubber inlays for sound dampening.
- Patented infill (Nomad Aqua Extra Heavy Duty matting) to absorb moisture, scrape dirt and hide it in the loops.
- Cushion backing (rubber) to enhance durability.
- Space between profiles allows soil to fall through (suitable for high heel traffic).



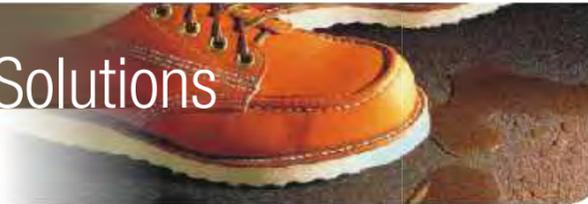
Technical Data

Property	Medium Duty
Positioning	Indoor
Pile material	Polymide
Pattern	Random
Pile thickness, ISO 1766	4.8mm
Pile weight, ISO 8543	0.770 Kg/sqm
UV resistance, ISO 105 B02	Class > 6
Dimensional stability, ISO 2551	+ / - 2%
Total depth	14mm to suit 14-16mm matwell Total
Weight	12.0 Kg/m2
Panel width	150mm (148.4mm when fitted) Panel
Length	2200mm and 1500mm
Matwell frame	Available in 4 sizes, refer to 3M
T-Section length	3000mm
Cushioning strips	High density, closed cell PVC foam Infill
Composition	Nylon 6-6 with PVC backing
Flammability	German standard B1, DIN 4102-14 and EN ISO 9239: Part 1
Anti slip properties BIA test	R12 (ZH 1/571 and DIN 51160)
Pedestrian Traffic (Annual)	Above 10 Lakhs
Trolley Crossings/day	Suitable for light trolley traffic
*Warranty * Conditions Apply	Limited Upto 3 years

** Swatch colours are for representation purpose only.
For details, refer to application selector guide on page 18. Please contact your 3M dealer for additional colour options.



3M™ Work Area Solutions



3M™ Work Area Mats:

- Improve productivity through enhanced comfort and increased safety.
- Reduce employee fatigue.
- Reduce slips and falls.
- Cushion every step.

3M™ Safe-tigue™ Mats - Anti-fatigue technology

- Makes the workplace more comfortable.
- Absorbs impact & returns energy to foot while striding.
- Open Z-web construction allows liquids to seep & small debris to fall through.
- Provides increased traction in wet areas, reducing slips & falls.

Lower leg & extremity discomfort - time taken to reach 12* on discomfort scale

* 12 - Rating is extremely stressful

Effect	Time (in hours) taken to affect		
	Hard Floor	3M™ Safe-tigue™ Technology	3M Advantage
Overall tiredness	2.0	3.7	85%
Lower back discomfort	2.0	3.0	50%
Leg tiredness - lower leg	1.6	2.7	70%
Tiredness	1.75	2.65	40%
Foot discomfort	0.75	1.45	93%



enhanced
comfort
& safety

3M™ Anti-skid Tapes



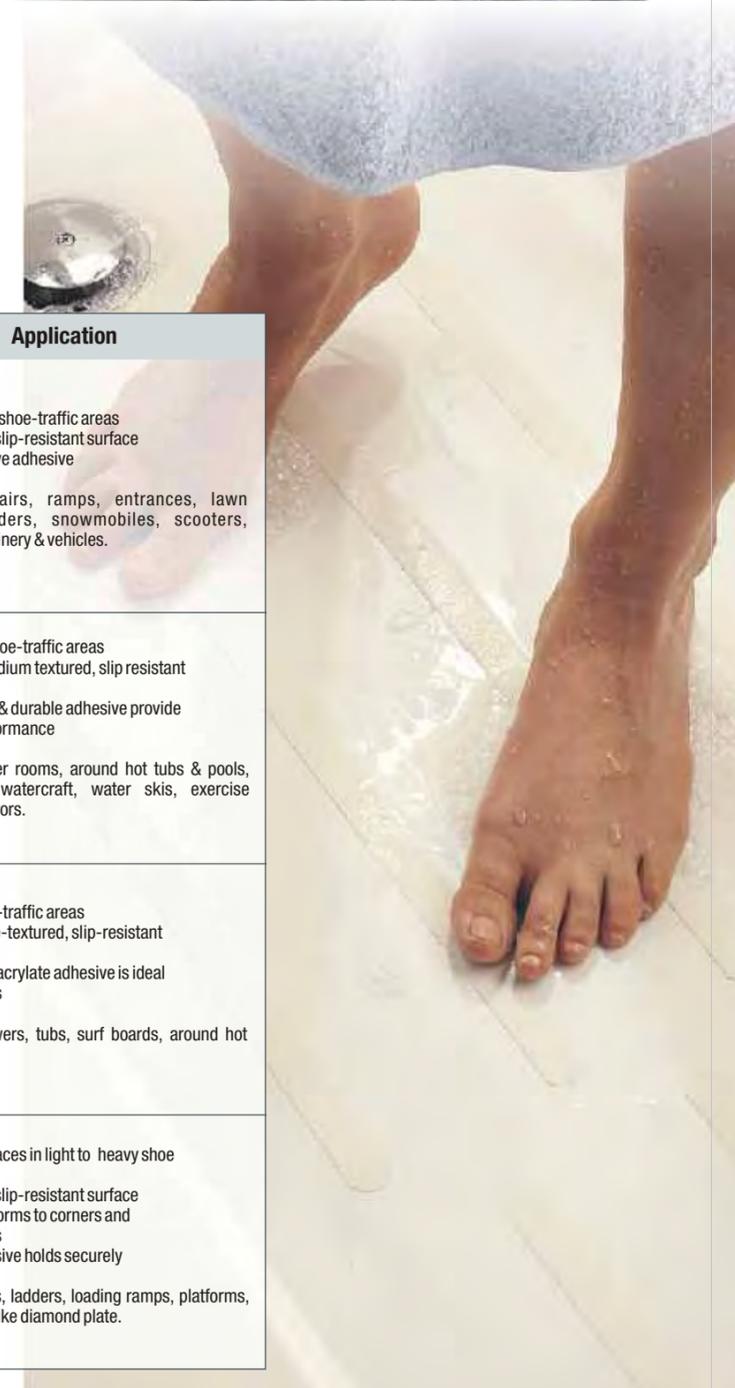
3M™ Anti-skid Tapes - The first step towards safer buildings and equipment.

3M™ Anti-skid Tapes:

- Are available as self-adhesive treads.
- Variety of sizes, colours and grades.
- Suitable for a variety of applications.



Product	Application
3M™ Safety Walk™ - General Purpose Tread	<ul style="list-style-type: none"> • For light to heavy shoe-traffic areas • Mineral-coated, slip-resistant surface • Pressure-sensitive adhesive <p>Applications: stairs, ramps, entrances, lawn equipment, ladders, snowmobiles, scooters, construction machinery & vehicles.</p>
3M™ Safety Walk™ - Medium Resilient Tread	<ul style="list-style-type: none"> • For barefoot or shoe-traffic areas • Non-mineral, medium textured, slip resistant vinyl surface • Resilient surface & durable adhesive provide long-lasting performance <p>Applications: locker rooms, around hot tubs & pools, boats, personal watercraft, water skis, exercise equipment, conveyors.</p>
3M™ Safety Walk™ - Fine Resilient Tread	<ul style="list-style-type: none"> • For wet, barefoot-traffic areas • Non-mineral, fine-textured, slip-resistant vinyl surface • Water-resistant, acrylate adhesive is ideal for wet conditions <p>Applications: showers, tubs, surf boards, around hot tubs & pools.</p>
3M™ Safety Walk™ - Conformable Tread	<ul style="list-style-type: none"> • For irregular surfaces in light to heavy shoe traffic areas • Mineral-coated, slip-resistant surface • Foil backing conforms to corners and irregular surfaces • Aggressive adhesive holds securely <p>Applications: stairs, ladders, loading ramps, platforms, irregular surfaces like diamond plate.</p>



anywhere
non-slip
performance

Nomad

Maintenance & Cleaning

Appropriate and regular mat maintenance will:

- Extend the life of the mat, by reducing the abrasive effect of dirt on the fibres.
- Increase effectiveness, by reducing the re-tracking of soil and water from the mat to the building.
- Maintain appearance of the mat and surrounding flooring area.

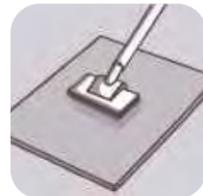
BS 7953:99 states "It is of vital importance to the satisfactory performance of any entrance flooring system, that a thorough cleaning routine is carried out."

Entrance flooring systems selection, installation, maintenance BS7953:99 (Available from BSI).

Product Performance Life

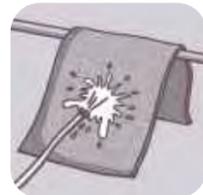
If Nomad matting is correctly positioned for use and traffic and maintained according to 3M maintenance and cleaning procedures, the matting can be expected to offer a typical performance life of 5 years (except Nomad Terra 6050 and Nomad Aqua 4000 matting for which a typical performance life of 3 years can be expected).

Regular maintenance and cleaning is recommended for long life of mats.



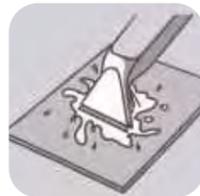
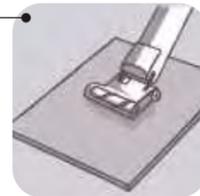
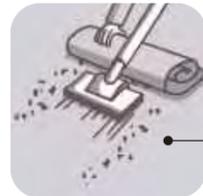
Nomad Terra matting

- Daily maintenance with vacuum cleaner. Also easy to turn and shake to remove soil.
- Weekly maintenance with water and standard detergent.



Nomad Aqua matting

- Daily maintenance with vacuum cleaner and weekly maintenance with water and standard detergent. Periodic in depth injection / extraction cleaning.



Nomad

Accessories



Edging Profiles

- 2 sizes available.
- Medium profile edging (7.5mm) is recommended for Nomad™ Aqua matting and for Nomad Terra 6050 and 6250 matting.
- High profile edging (11mm) is recommended for Nomad Terra 9100, 8100 and 8150 matting.



Other Products



3M Window Films:

3M™ Scotchtint™ Sun Control Films save energy, as well as helping to protect your furnishings, drapes, carpet, woodwork and artwork from destructive ultraviolet rays that cause fading. The energy saving window films range also includes the classic series, low reflectivity and the night vision series.

3M™ Scotchshield™ Safety and Security Films provide fragment retention by holding glass together during destructive weather, smash and grab crimes or acts of terrorism.



3M Passive Fire Protection Solutions

3M provides fully tested systems that meets today's demanding firestop requirements and helps prevent fire, smoke, toxic fumes and moisture from passing through penetrations in fire rated walls and floors.

3M's range of passive fire protection products includes: • Sealants • Caulks • Wraps • Pillows • Composite sheets • Mortars • Sprays • Coatings

3M Cleaning Solutions



3M™ Floor Pads

Removes black marks up to 6 times faster
Increases soil removal by up to 60%
Maintains aggressiveness over the life of the pad by up to 10 times
Extends pad life by up to 25 times



3M™ Sharpshooter™

Offers one stop solution as it avoids the use of different chemicals. Avoids damage due to high abrasion cleaning, saves time.



3M™ Easyscrub™ Express

For efficient cleaning process. Patented dual fiber construction. System consists of light weight stick, reservoir and refill station. Provides convenience to the cleaning staff and saves time.



3M™ Stainless Steel Cleaner

Cleans & polishes steel, chrome, aluminium & laminated plastic surfaces to a high gloss in one step.



Application Selector Guide

	Nomad Terra Loop	Nomad Terra Z-Web	Nomad Aqua	Nomad Optima	Nomad Modular	Anti-Skid Tapes	Work Area Matting
Potential Applications (General)							
Main Entrance (Outside)	✓	✓			✓	✓	
Main Entrance (Foyer)		✓	✓	✓	✓		
Main Entrance (Inside)	✓		✓		✓		
Secondary Entrances	✓	✓	✓	✓	✓	✓	
Elevators	✓		✓		✓		
Staircase Entrance	✓		✓				
Staircase Treads						✓	
Washrooms	✓	✓	✓		✓		
Cafeteria	✓		✓				
Kitchen Entrance	✓	✓	✓				
Kitchen Work Area		✓				✓	✓
Dispensing Areas		✓					
Basement Areas	✓	✓	✓		✓	✓	
Server Room Entrance	✓		✓				
Potential Applications (Others)							
Swimming pools entrance		✓	✓			✓	
Gymnasiums		✓	✓		✓		✓
Spas		✓	✓		✓		
Operation Theatre Entrance	✓		✓			✓	
Shop Floor						✓	✓
Greasy/Slippery Areas		✓				✓	✓
Entrance from shopfloor to showrooms/office	✓	✓	✓				
Entrance from kitchens to banquet halls/restaurants			✓			✓	
Entrances to Clean Rooms	✓		✓				
Food Court Areas	✓	✓	✓			✓	