

# Nomad™ Aqua 9500 wall-to-wall matting

## Technical Data Sheet TD 620

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Author: PLA

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### Description :

The product is a tufted matting with a patented combination of two types of polyamide yarns (small and large denier fibres). The small denier fibres are fine continuous filaments and the large denier ones are continuous texturized coarse filaments. The product features a dense loop pile construction and combines fibres in an attractive velvet-like appearance. This design maximizes dirt and water pick-up and holding performance, and improves appearance retention.. The matting has a flame retardant and smoke suppressant construction. The fleece backing is a non-woven layer of blended polyamide and polyester fibres. It allows easy bonding to floors and provides dimensional stability and cushioning effect.

### Product Positioning :

An indoor entrance flooring solution, which can be fitted wall-to-wall to cover large surface areas in entrances with extreme pedestrian and trolley traffic (>5000 crossings per day) e.g., in retail environments, office buildings, shopping centres, etc..., The product requires full bonding to the floor surface.

#### -Recommended positioning : as second stage matting product

To achieve optimum results, 3M recommend that Nomad™ Aqua 9500 is positioned as a second stage mat, preceded with a scraper mat (such as Nomad™ Optima 9900 or Nomad™ Terra 9100.)

-Note: may be used as single stage matting product, where space or design considerations do not permit a first stage mat, and where excessive water soil ingress is not expected.

### Special Features :

- Excellent water and moisture absorption and retention
- Excellent fine dirt scraping and hiding
- Outstanding durability
- Excellent crush resistance
- Superior aesthetics
- Easy to install, clean, and maintain.
- Safe (flame resistance, low smoke emission, contains no heavy metals)
- Excellent dimensional stability

### Colours :

Anthracite Black, Slate Grey, Chestnut Brown, Navy Blue, Forest Green, Oxide Red

### Sizes :

- Rolls of 4 m x 20 m. (total weight 200kg, outside diameter 55cm)
- Rolls of 2 m x 20 m. (total weight 100kg, outside diameter 35cm)
- Carton core inside diameter: 11cm

### Packaging and marking :

Rolled and wrapped in protective plastic film. Labelled inside the core and on the outer wrapping film. Labels indicate batch number.

### Installation :

Nomad™ Aqua 9500 matting must be installed by a professional installer, using standard carpet installation techniques. It must be fully bonded to the floor surface. Commonly available carpet adhesives are recommended (water based acrylic) such as 3M Scotch Grip™ 9309 or 4235.

When installed as a first step mat (therefore more exposed to water), a water resistant adhesive must be used.

Double side adhesive tape may also be an option for specific surfaces like metal. Refer to 3M Technical Service for instructions.

All edges of matting exposed to traffic, must be protected with edging profiles (cover trims).

*For details, please refer to specific installation procedure MSWP 01.*

### Cleaning recommendations :

*Routine maintenance :* Vacuum cleaning. Use a beater-brush type vacuum cleaner for best results. *Intermediate cleaning* can be done with horizontal mechanical brush (such as Rotowash system). *Frequent spot cleaning* for chewing gum removal is recommended. *Periodic thorough cleaning:* hot water extraction (cleaning solution maximum temperature should not exceed 50°C).

*For more details, please refer to specific cleaning procedure MSWP 02.*

### Product disposal :

Post usage waste can be disposed of, in appropriate containers and incinerated as per local regulations. The European directive waste disposal code is 20 01 04.



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### Product Characteristics :

Properties and Test methods		Typical values ←
Total weight	ISO 8543	2700 g/sqm
Total pile weight	ISO 8543	770 g/sqm
Total thickness	ISO 1765	10.0 mm +/- 0.5
Pile thickness	ISO 1766	4.8 mm
Tufts / sqm	ISO 1763	110 000
Tuft pattern		Random
Stitch lock	ISO 4919	36-40 N
Flammability (bonded to floor)	DIN 4102 / ISO 9239-1 OS 3810 - 3800	B1 B1Q1
Dimension stability	ISO 2551	length < -0.7% width < -0.9%
Colorfastness	ISO 105 B02	class 6
Electrostatic	ISO 6356	
-static electricity propensity		1.1 kV
-horizontal resistance		6.0 10 <sup>10</sup> Ohm
-vertical resistance		2.3 10 <sup>10</sup> Ohm
-resistance to earth		3.4 10 <sup>8</sup> Ohm
Acoustic		
-sound absorption coeff:	EN ISO 11654	$\alpha_w = 0.25$
-impact sound reduction	EN ISO 717-2	$\Delta L_w = 34\text{dB}$
Coefficient of friction		
BIA ZH 1/571 & DIN 51130 (GE)		R12, V10

← Typical average values

### Resistance to chemicals :

(continuous exposure)

Solution	Value →
Commonly available detergents	Excellent
Soaps	Excellent
Oil (motor oil type)	Poor
Chlorinated solvents	Poor

→ Excellent = slight effect on product, less than 1 % weight loss

→ Poor = product becomes unsuitable for use.

**Origin** : made in the E.U.

**Source of supply** : France

