

3M Nomad Optima 9920

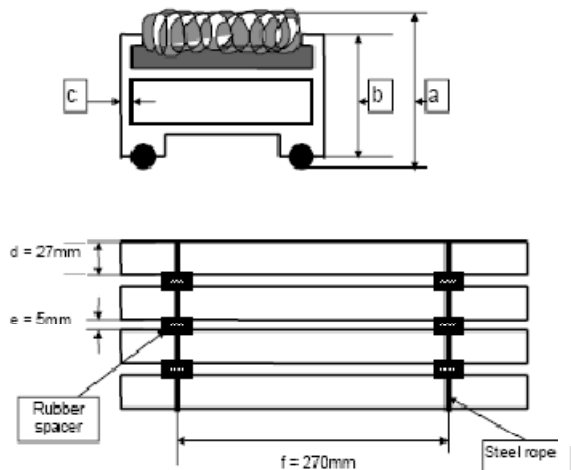
Specification Data Sheet

Description:

Nomad™ Optima 9920 is a rigid frame matting designed for extreme traffic applications. It is made of aluminium panels equipped with textile infills of soil-scraping and moisture-absorbing matting (Nomad™ Aqua topside type using 3M dual polyamide fibre technology). It has superior functional performance: capability to remove and hide heavy soil, sand, grit and water, while maintaining its excellent appearance. Panels are 5mm spaced, to allow heavy soiling to drop between the sections. Panels are assembled with flexible steel ropes, which allow the matting to be rolled up for easy cleaning. Two sound dampening protective rubber strips are inserted on the lower face of each panel.

Nomad™ Optima 9920 matting is a recessed well type matting for commercial entrance areas where very heavy to extreme pedestrian and trolley traffic is present (>5000 crossings per day).

The strongest 9920 version (2mm metal thickness) can withstand heavy wheeled traffic, such as carts, trolleys, above 100Kg. For best results, use Nomad™ Optima 9920 matting in combination with a secondary mat, to take full benefit of Nomad™ product range (best use with Nomad™ Aqua 8400). Service temperature range: -10 to +50 °C



	9920	9920
Total Mat Height (a):	17mm	22mm
Alum profile height (b):	12mm	17mm
Alum wall thickness (c):	2mm	2mm
Alum profile width (d):	27mm	27mm
Space between 2 profiles (e):	5mm	5mm
Distance Between 2 steel ropes (f):	270mm	270mm
Weight:	13.8 kg/sqm	19.2 kg/sqm
Mat Code:	17-2	22-2

Certificates:

Flammability of textile infills: DIN 4102 / ISO 9239-1 B1
Coefficient of friction of infills: BIA ZH 1/571 & DIN 51130 (GE) R12, V10

Note:

The coefficient of thermal expansion of the profiles is very low - no linear expansion problems have been experienced up till now in hot weather conditions

3M Nomad Optima 8800

Specification Data Sheet

Product positioning

Nomad Optima 8800 is designed for use in internal recessed wells of high traffic entrances, where it provides a flat, modular, highly effective barrier to dirt and moisture. The low profile, loop-nylon format provides superior grip in both wet and dry conditions (see BS8300)

Description

Nomad Optima 8800 consists of a tongue and grooved style profiled aluminium section, set on a PVC foam. The infill material is Nomad Aqua 8400 – patented dual-fibre 6-6 nylon matting material, which is adhered into the profile and clamped by the section edges.

Dimensions

Section height	- 14mm
Panel width	- 150mm (148.4mm when fitted)
Panel length	- 1500mm or 2200mm
Case sizes	- 5 panels per case (also available singly)
Colours	- Slate Grey or Anthracite Black

14 (GE) :	B1
• NF P92307 (FR):	M3
Dimensional stability : ISO 2551	Length and width may change up to +/- 2%
Service Temperature range :	0°C to 60°C

← Typical average values.

Nomad™ Optima 8800 matting Product Data:

Property/Test method	Value ←
Thickness ← : • 6 mm PVC	14 mm (to suit 14-16 mm matwell depth)
Total Weight ←:	12.0 kg/m ²
Max length of sections	3000 mm
Calculation for walk-on depth of matwell :	148.4 mm x No of sections + 3.0 mm
Compression set on PVC foam :	10 - 16 %
Service Temperature Range of PVC foam:	-20°C to 60°C

← Typical average values

Technical Data

Total weight	- 12.0kg/m ²
Infill composition	- Nylon 6-6 with PVC backing
Flammability	- German Standard B1, DIN 4102-14 & EN ISO 9239:Part 1

Loads over 250kg (especially on small hard wheels less than 150mm diameter) can severely damage the matting. It is advised that plywood sheeting or similar is used to spread the point loading where such loads are unavoidable.