

3M Nomad™ Modular Matting 8300 & 8900

Technical Data Sheet TD642

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Description :

3M Nomad™ Modular mat is a mat composed of single modules having a square shape, and assembled together to form an entrance mat. Product is made of flexible vinyl material to withstand high traffic level. It is declined in two versions. The scraper version reference 8300 designed to remove dirt and gravels. The mix version reference 8900, contains a textile pad made of 3M Nomad™ Aqua 8500, patented combination of two types of polyamide yarns (small and large denier fibres) designed to remove both water and fine dirt. 3M Nomad™ Modular offers flexibility to get both versions assembled together depending type of entrance, customer wish, and level of dirt or/and water to remove.

Product Positioning :

Reference 8300 (scraper version):

Outdoor and indoor matting, in recessed well.

Reference 8900 (mix version):

Indoor matting only, in recessed well.

Both versions are designed for high traffic building entrances to stop dirt and water from shoes of incoming pedestrian traffic. Product must be installed into a recessed well. Tiles can be easily cut to meet well dimensions using preferably a jig-saw (see related procedure MSWP19 for installation).

-Typical traffic:

- 1500 to 5000 crossings a day.

-Service temperature range:

-20°C to +60°C.

For extreme condition (Nordic countries and Russia), a limited test run at laboratory showed that Modular could withstand T° down to -50°C.

Special Features :

- Superior and unique aesthetic, design protected.
- Good dirt and gravel removal for ref.8300
- Good dirt and water removal for ref.8900.
- Easy to replace damaged parts.
- Drainability feature: 2 mm feet underneath to allow water spread all over the surface and easier evaporation.
- Fire resistant.
- Resistant to trolley traffic. ⁽¹⁾

(1) it can also withstand exceptional heavy cart traffic (pallet transport for ie): up to 1 crossing (back and forth) per week with

cart of 3 to 4 tons equipped with large and plain rubber wheel (min 18 cm wide). For more details and picture, refer to [Tech Bulletin TB01](#)

Color available :

Reference 8300 (scraper version):

Slate Grey.

Chestnut Brown available later *

Reference 8900 (mix version):

Color of vinyl: Slate Grey combined with following colors of textile:

- slate grey.
- anthracite black.
- oxide red.
- navy blue.
- forest green.
- chestnut brown.

Sizes :

Module is a tile, square shape, 300 x 300 mm without connectors, 17 mm thick, 5 connectors per edge.

Note: dimension may be subject to a small variation up to 1.5 mm less than indicated nominal size.

Packaging and Marking :

10 modules per box, equivalent to 0.9 square meter.

Installation and Cleaning Instructions :

See related procedures MSWP19 for installation and MSWP20 for cleaning.

Accessories :

Recessed well underlay 5 and 10 mm (refer to TDS 685).

Product disposal :

Post consumer waste can be disposed of in appropriate containers or/and be incinerated.

The European directive waste disposal code is 20-01-39 for plastic material. Refer to your local waste handling procedure for potential recycling.

Resistance to chemicals :

(All tests 7 days at 22° C, total product immersion)

| Solution | Value ① |
|---------------------|-----------|
| Neutral Cleaner | Excellent |
| Stripper | Excellent |
| Salt (10% in water) | Excellent |
| Oil | Good |
| Gasoline | Fair |

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

Good = product stiffens or discolors somewhat, less than 3% weight loss.

Fair = product stiffens or discolors somewhat, more than 3% weight loss.

Poor = product becomes unsuitable for use.

NA: Not Available

Product Characteristics :

| Property Test method | Value ① |
|---|---------------------------------------|
| Total weight scraper : | 9.1 Kg/m ² |
| Total weight mix : | 10.0 Kg/m ² |
| Total pile weight for textile pad on mix version: | 770 g/sqm |
| ISO 8543 | |
| Effective pile weight for textile pad on mix version: | 635 g/sqm |
| ISO 8543 | |
| Total thickness scraper: | 17.5 mm |
| Total thickness mix: | 21.9 mm |
| Pile thickness for textile pad on mix version: | 4.8 mm |
| ISO 1766 | |
| Tufts /sqm for textile pad on mix version: | 110 000 |
| ISO 1763 | |
| Flammability : EN 13501-1 | |
| ➤ ref.8300: | B _n -s1 |
| ➤ ref.8900: | C _n -s1* (Bfl s1 on going) |
| Dimensional stability: (%) | -0.3 |
| UV resistance: | Excellent |
| Coefficient of friction BIA ZH 1/571 & DIN 51130 (GE) | R11, V10 |

① Typical average values.

* C_n-s1 equivalent to German B1 and French M3.

Origin of product : made in EU.

Source of supply : 3M France

B&CS European Laboratory, Customer Application Center, 95250 Beauchamp, France

