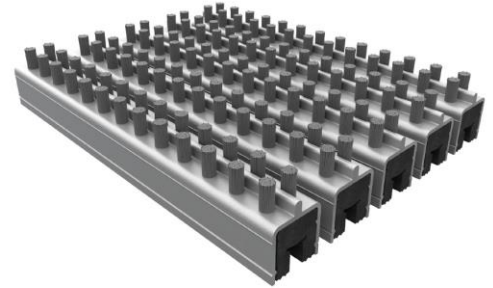


## TECHNICAL SHEET

# Brossguard<sup>®</sup> Professional

24 mm

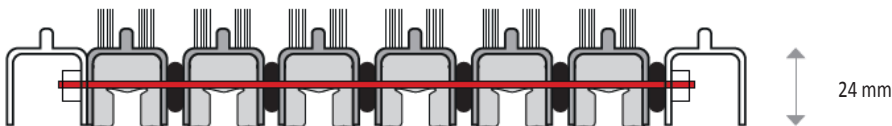
*The perfect mat for outside use for high and heavy rolling material*



## DESCRIPTION



This rollable brush mat consists of anthracite coloured PVC profiles with sustainable nylon brushes, protected by an aluminium profile. Spacing caps of 4 or 8 mm separate the profiles and hence create an open structure. Consequently, it is easy to roll up the mat and to evacuate the collected dirt. On the bottom, the mat is provided with a sound-absorbing and anti-slip layer. The profiles contain a double row of parallel brushes, separated by a protruding rim. This extra scraper removes dirt and extends the lifespan of the brushes. The brush bundles are connected with the hole in the profile to drain and evaporate the moisture more quickly. Curved profiles edges ensure a better water drainage. The whole is connected by steel wires. The extremities of the tension cables are clamped in a hollow aluminium scraping profile.



## APPLICATION

The mat is developed for outside use and highly suitable for coarse dirt. The design is ideal for heavy traffic and perfectly suitable for heavy loads or rolling materials. The Brossguard Plus Professional can both be integrated in and installed on the floor.

**Traffic** Up to 2.500 passages daily

**Locations** Public buildings, schools, offices, shopping centres, private homes.

Can easily manage rolling material up to 500 kg/10 cm<sup>2</sup>.

## PRODUCTION

The mat is made to size and in one piece depending on the length of the walking direction. Depending on the weight, the mat can be divided without any aesthetic consequences. In case of wide mats, the sections are installed next to one other, separated by an inverted T-bar. The required function and surroundings are relevant for the design and division of the mat.

**Warranty** 10 years

**Personalisation** Personalised colours on demand. Logo strip in stainless steel also possible.

## INSTALLATION

The mat is 24 mm and is installed in an even matwell of 25 mm. The corresponding built-in frame is made of anodised aluminium or brass. If the mat has to be installed on the floor, an anodised aluminium ramping profile is possible. Taking into consideration the influence of the used materials, we do not recommend installing underfloor heating under the matwell. In case of outside use, surface water drainage is recommended.

## MATERIAL CHARACTERISTICS

Profiles	
Material	hard PVC with extra aluminium support
Sizes	18 x 21 mm
Colour	anthracite (PVC) / natural (aluminium) / black lacquered
Finished with	Hollow PVC profile protected by an aluminium profile with protruding rim and double row of parallel brushes

Spacing caps	
Material	soft PVC
Form	round
Diameter	10 mm
Thickness	4 mm

Brushes	
Material	nylon 6,6, UV stabilised
Density	$\pm 600.000$ hard nylon threads/m <sup>2</sup>
Number	$\pm 60$ threads per brush bundle
Height	8 mm
Colours	grey, brown, red, black, blue, green, coconut, anthracite

Steel wire	
Material	stainless steel, type 316
Diameter	min. 2 mm
Cramps	galvanised steel wire 0,8 mm
Nipples	8x9 SCH GR72510-08

## MAT CHARACTERISTICS

The total height of the mat is 24 mm. The steel wires run through and hence connect the profiles. The distance between the tension cables is max. 38 cm. The Brossguard Plus Professional with 4 mm interspace weighs approximately 16,6 kg/m<sup>2</sup> or approximately 14 kg/m<sup>2</sup> with 8 mm interspace.

## TESTS

In collaboration with Ghent University

<b>Fire test</b>	The mat is conform to class Bfl in the walking direction, in accordance with EN ISO 11925-2 and EN ISO 9239-1.
<b>Smoke test</b>	The mat is conform to class S1 (2012).
<b>Light fastness test</b> (resistance to photo-degradation)	This test is carried out in accordance with ISO 105 B02 (1994) and gives as result class 7-8. Class 8 is the best result (2002).
<b>Wronz test</b> (heavy wear test)	The mat achieves a value of 25.000, being the equivalent of 500.000 to 1.200.000 steps. See testing report 02-789C.
<b>Static load test</b>	The mat withstands a pressure of 1000 kg per cm <sup>2</sup> . See testing reports 03-601 and 03-601 bis. There is no restriction for the load created by normal passages, shopping carts and wheelchairs. For heavy traffic, Verimpex recommends to always use a security plate and to avoid all circular movements.
<b>Moisture absorption test</b>	The capacity of the mat to absorb moisture is above 1000 ml/m <sup>2</sup> . See testing reports 02-789B.
<b>Anti-slip test</b>	This test is carried out in accordance with DIN 51130:2004-06 with an average value of 40,6.

*Fire and smoke tests have been performed following the classification EN13501-1 (2007+A1:2009). The products are neither impregnated nor coated; it always concerns sustainable characteristics of the used materials.*

## ECOLOGICAL FOOTPRINT

Verimpex intends to reduce its ecological footprint for each of its products. For that reason, all products are manufactured in line with 100% renewable energy and local materials.

All materials used for the production of this mat are recyclable and can receive another life at Verimpex. For more details, please consult our website.

*Verimpex Matting reserves the right to make adjustments to the products without prior communication.*

