

TECHNICAL SHEET

Econopioneer[®]

18 mm

Rough scraping effect, economic system



DESCRIPTION

This sectional entrance mat consists of hardened rubber strips that have a functional cavity and a rough, ribbed surface on top and on the bottom. The rough rubber strips are alternated with aluminium, PVC or brass scraping profiles and are tightened to measure by galvanised steel wires. On both extremities, the steel wires are clamped in edge profiles. Thanks to the identical appearance of both sides, the mat can be used double sided in case of symmetrical forms.



APPLICATION

The mat is developed for inside and outside use. In case of outside use, surface water drainage is recommended. The Econopioneer is highly appropriate for high and rolling traffic with a closed structure. In case of heavy rolling traffic, we recommend the mat with double rubber strips.

Traffic 2.500+ passages daily

Locations Airports, schools and public buildings, offices, shopping centres, private homes.

PRODUCTION

The mat is made to size and in sections of 35 to 65 cm, depending on the length of the walking direction. Aesthetically, the different sections form one whole. In case the width exceeds 3 meters, the layout and division of the mat are discussed with the customer. With larger versions, 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. The Econopioneer is available in a closed or open (4 mm interspace) structure, with single or double rubber strips.

Warranty 2 years

Personalisation Logo strip in stainless steel possible.

INSTALLATION

The mat is 18 mm and is installed in an even matwell of 20 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.

MATERIAL CHARACTERISTICS

Profiles	
Material	aluminium brut anodised (25 microns) aluminium (min. 78% recycled) PVC brass
Sizes	15 mm height
Coefficient of linear thermal expansion	aluminium 0,0238 mm/m per °C (± 1 mm per 40°C) PVC 0,08 mm/m per °C (± 3 mm per 40°C) brass 0,0238 mm/m per °C (± 1 mm per 40°C)

Rubber strips	
Material	EPDM (not recycled)
Hardness rubber	75 ± 5 shore A
Density rubber	1,23
Height rubber strips	18 mm
Width rubber strips	15 mm

Steel wire	
Material	hard full cold galvanised
Thickness galvanisation	30 to 35 microns, 260 g zinc/m ² wire
Diameter	min. 2 mm
Hardness	1180 to 1370 N/mm ²

MAT CHARACTERISTICS

The total height of the mat is 18 mm. The steel wires run through and hence connect the profiles. The distance between the tension cables is max. 38 cm. The Econopioneer weighs approximately:

	SINGLE 18 mm	DOUBLE 18 mm
Aluminium	17,7 kg	16,6 kg
PVC	15,8 kg	15,4 kg
Brass	28,5 kg	26,4 kg

TESTS

In collaboration with Ghent University

Fire test

The mat is conform to class Bfl in the walking direction, in accordance with EN ISO 11925-2 and EN ISO 9239-1.

Smoke test

The mat is conform to class S1 (2012).

Static load test

The mat withstands a pressure of 1000 kg per cm². 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.

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.

