TIREGUARD

The Tireguard® is suitable for heavy traffic entrance areas and characterised by an attractive price/quality ratio.
A distinct feature of the Tireguard® mats is that the rubber strips are recycled from discarded aeroplane tires.
A masterly example of the conscious use of environment-friendly materials.

high traffic

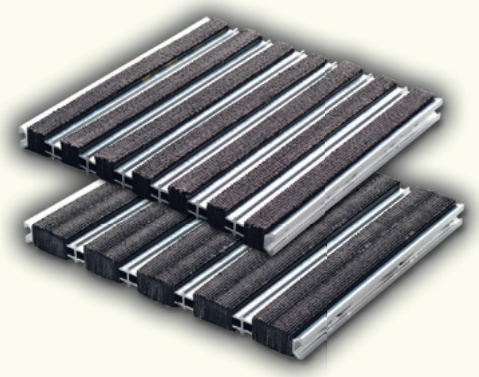
CHARACTERISTICS

- INDOOR USE
- OPEN
- CLOSED
- MOISTURE REMOVAL
- COARSE DIRT
- HIGH HEELS ONLY WITH CLOSED CONSTRUCTION
- DECORATIVE
- EASY MAINTENANCE
- SILENT
- TROLLEYS ONLY WITH CLOSED CONSTRUCTION
- REVERSIBLE
- LOGOS POSSIBLE

COMPOSITION

The Tireguard® owes its qualities to the unique combination of moisture-absorbing fibres and scraping profiles. In this mat, the fibres are interwoven in recycled rubber strips. The profiles are available in aluminium, PVC or brass.
The top and bottom of the mat are identical, which means that rectangular mats can be used on both sides and therefore for twice as long.

CONSTRUCTION



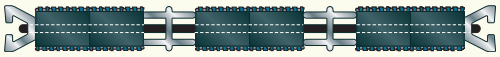
> closed / single

12/18



> closed / double

12/18



> open / single

12/18



> open / double

12/18



- The Tireguard® is in open or closed construction. In case of a closed construction, the dirt remains on the mat, whereas in case of an open construction, the dirt falls between the profiles.
- Closed constructions allow for a more comfortable passage.
- The Tireguard® is available with single or double strips. Double drying strips create 30% more drying surface.

COLOURS

Profiles >



grey | PVC, black | PVC, brown | PVC, blue | PVC, green | PVC, red | PVC, gold | PVC, brass, aluminium

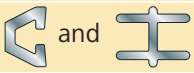
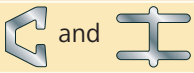
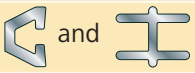
Textile >



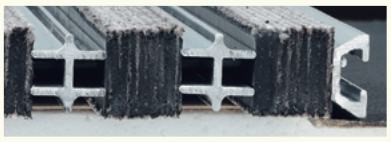
grey, brown, red, black, blue, green, coco

TECHNICAL DATA

properties of the materials

	aluminium profiles	PVC profiles	brass profile
Shape			
Height 12 mm version	11,4 mm		
Height 18 mm version	15 mm	15 mm	15 mm
Permissible point load	1017,92 kg		
Coefficient of lineal thermal expansion	0,0238 mm/m per °C (± 1 mm per 40 °C)	0,08 mm/m per °C (± 3 mm per 40 °C)	

rubber strips



The rubber strips are ± 12 mmor ± 18 mm high and 15 mm wide. All strips are made from material recovered from aeroplane tires. The rubber strips consist of rubber layers with continuous layers of textile. The rubber strips contain at least 50% vulcanised rubber from aeroplane tires.

The drying textile consists of :

- 8 textile layers minimally, consisting of nylon
- 7 intermediate layers of rubber
- 2 outer layers of rubber
- weft nylon

rubber sheet		drying textile	
Total thickness	14,5 mm	Total thickness	depends on
Mixture	rubber	Weight	type of tire

steel wire (hard, fully cold galvanised steel wire)

Diameter	minimally 2 mm
Galvanisation layer thickness	30 bis 35 micron (i.e. 260 gr zinc/m2 wire)
Hardness	between 1180 und 1370 N/mm^2

approximate total weight (in kg/ m2)

		aluminium profiles	PVC profiles	brass profiles
18 mm	single rubber strips closed construction	16,4	14	29,5
18 mm	double rubber strips closed construction	16,9	14,5	30
18 mm	single rubber strips open construction	15,4	13	28,5
18 mm	double rubber strips open construction	15,9	13,5	29
12 mm	single rubber strips closed construction	12,7		
12 mm	double rubber strips closed construction	13		
12 mm	single rubber strips open construction	11,7		
12 mm	double rubber strips open construction	12		

TESTS

All tests were carried out by the University of Ghent, textile department. A copy of the official test results is available upon request. Samples of materials subjected to the stringent wear test (Wronz test) are available for inspection at Verimpex, Brugge.

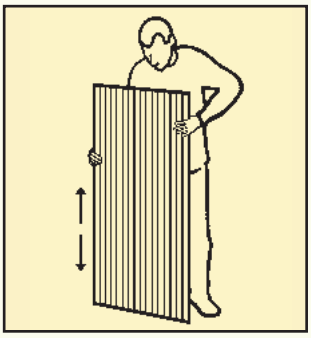
	in general	aluminium profiles	PVC profiles	brass profiles
Fire (in walking direction)	pr EN ISO 11925-2 pr EN ISO 9239-1	Class B	Class C	Class B
Smoke	Classification acoording to Pe EN 13501-1 (2000)	S 1	S 2	S 1
Light	ISO 105 B02 (1994)	Class 5-8 *	Class 5-8 *	Class 5-8 *
Wronz	Value 25.000			
Moisture absorption test	Report 02-785 A	Extra weight compared to dry state	wet	after 1 hour / after 24 hours
		Tireguard® single	677,32 gr/m²	619,82 gr/m² / 117,96 gr/m²
		Tireguard® double	1046,30 gr/m²	808,15 gr/m² / 328,89 gr/m²

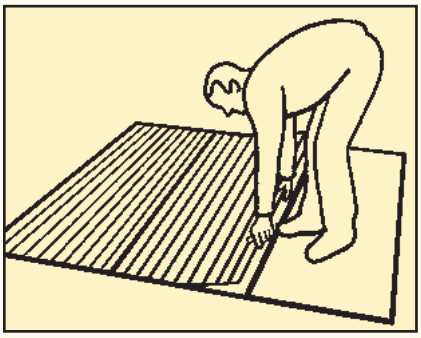
* To the exception of coco colour, for which the resulst is class 6-7. Class 8 is the best result.

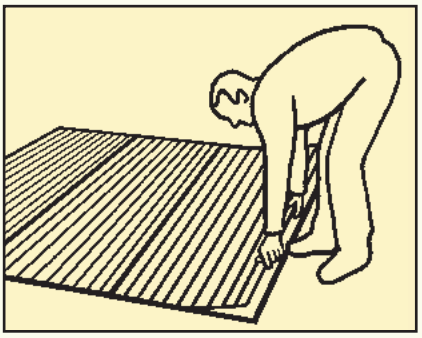
EXECUTION

installation

height	installation	well depth
12 mm	in a matwell	15 mm
18 mm	in a matwell	20 mm

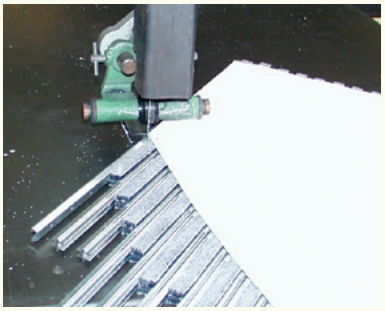






production

The mat is made to size in the factory. The mat is made in different sections, each with a stride length of 35 cm to 65 cm maximally. The different sections are placed together to obtain the required size of the mat. The layout and the arrangement of the different sections are determined in consultation with the manufacturer. In case of broad surfaces, the sections are placed next to one another and separated by a reversed T-shaped profile. The width of the mats is determined on the basis of aesthetic considerations and required functionality.


MAINTENANCE INSTRUCTIONS

Regular maintenance	• Sweep the mat with a broom or vacuum in the direction of the profiles (not perpendicular to the direction of the profiles).
Periodic maintenance	• Remove the mat from the matwell. • Vacuum the matwell and the mat thoroughly. • Carefully replace the mat.
Thorough maintenance	• Sweep the mat with a broom or vacuum in the direction of the profiles (not perpendicular to the direction of the profiles). • Remove the mat from the matwell. • Vacuum the matwell and the mat thoroughly • Clean the mat with a high-pressure cleaner, a garden hose or a hard scrubbing brush, in combination with water and a universal detergent. • Let the mat dry completely (preferably in an upright position).



Thoroughly vacuum the Tireguard® mat and the matwell in the direction of the profiles (not perpendicular to the direction of the profiles).



Clean the mat with a high-pressure cleaner, a garden hose or a hard scrubbing brush, in combination with water and a universal detergent. Let dry completely, preferably in an upright position.

WARRANTY

5 years for structural defects in case of normal use is offered in accordance with the warranty conditions.

REFERENCES



> Springfield - Nieuwstraat Brussel

> Concertgebouw - Brugge

> Convention Center - Dubai

