



emco **SPIN**® SAFE | emco **TLS** | emco **MAXIMUS**® ASSISTANCE

**The entrance mat as a guidance
system for visually impaired**

Designing clean entrances



Tactile guidance systems

Orientation for the blind and visually impaired

The understanding of barrier-free access generally refers to wheelchair-friendly facilities. In planning, renovation or modernisation, however, other cognitive limitations such as blindness and visual impairment should also be taken into account – not least because demographic developments predict an aggravation of this problem. For example, tactile guidance systems can make orientation significantly easier for blind and visually impaired people.

In many places, such guidance systems are already available outdoors – on pavements, squares etc. Even if a guidance system for the blind has already been installed inside a public building, the outdoor and indoor guidance systems are often interrupted by the foot mat in the entrance area – an unnecessary barrier that makes it difficult for such people to find their way again.

To solve this problem, Hoba Steel, manufacturer of guidance systems for the blind for indoor areas, together with emcobau, has developed an entrance mat with an integrated guidance system for the blind: the solution now connects the outdoor guidance system with the indoor guidance system.

The emco SPIN® SAFE tactile guidance system meets the highest standards not only in functional but also in aesthetic terms, because it provides an end-to-end visual stainless steel appearance, beginning with the entrance mat.

The guidance system has already been used in the entrance areas of hospitals, banks, administrative buildings and rehabilitation centres.



The SPIN® SAFE tactile guidance system allows blind and visually impaired people easy orientation in public buildings. The stainless steel elements blend harmoniously into all floor coverings (reference: Landesmuseum, Bonn).



“We have developed emco SPIN® SAFE for safe, barrier-free orientation; at the same time it creates an optimum transition from outside to inside, and from the entrance mat to the stainless steel element.”

Bernd Hoffmann,
Managing Director of Hoba Steel



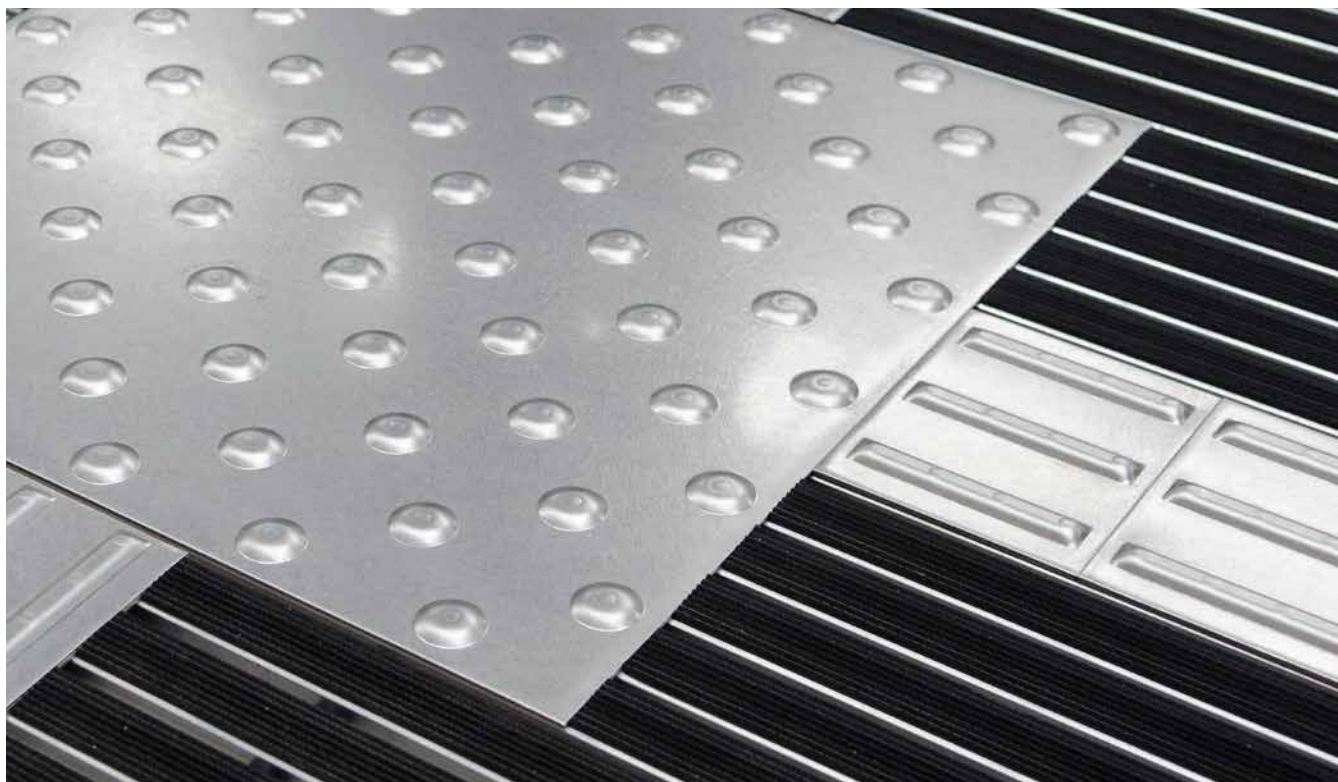
NEW!

emco SPIN® SAFE

Entrance mat combined with stainless steel elements

emco SPIN® SAFE is a further emco entrance mat innovation for the visually impaired. With it, the blind and visually impaired can easily and clearly detect directions and changes in direction with their feet or canes. These robust stainless steel elements offer even more: in addition to being tactile ground

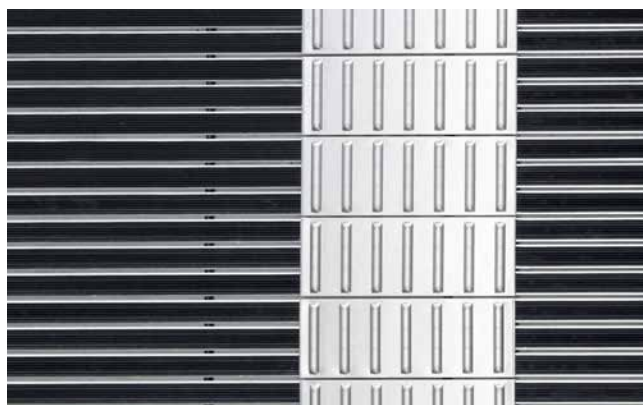
surface indicators, they produce a clear change in the auditory impression when a cane is used. Show some empathy: combine the highest quality standards and the best cleaning effect with social commitment. Opt for the tactile guidance system by emco!



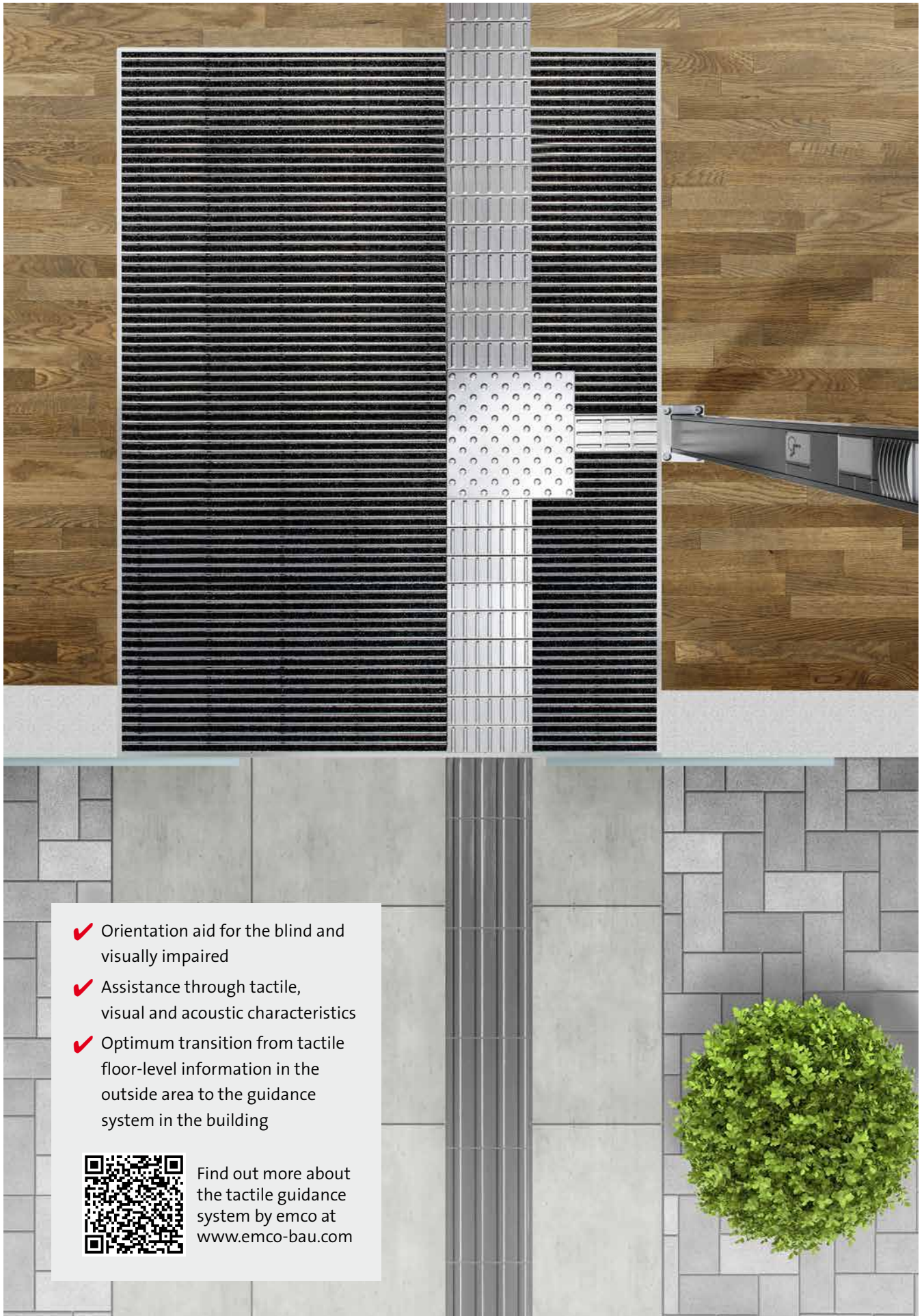
The attention panel shows relevant positions inside the tactile guidance system.



The integrated stainless steel tiles are available in a narrow version (122 mm) or ...



... in a wide version (300 mm). They each cover 3 aluminium profile bars. This means that the entrance mat can still be rolled.



- ✓ Orientation aid for the blind and visually impaired
- ✓ Assistance through tactile, visual and acoustic characteristics
- ✓ Optimum transition from tactile floor-level information in the outside area to the guidance system in the building



Find out more about the tactile guidance system by emco at www.emco-bau.com



The entrance mat with a double function:
Guidance system and cleaning

emco TLS

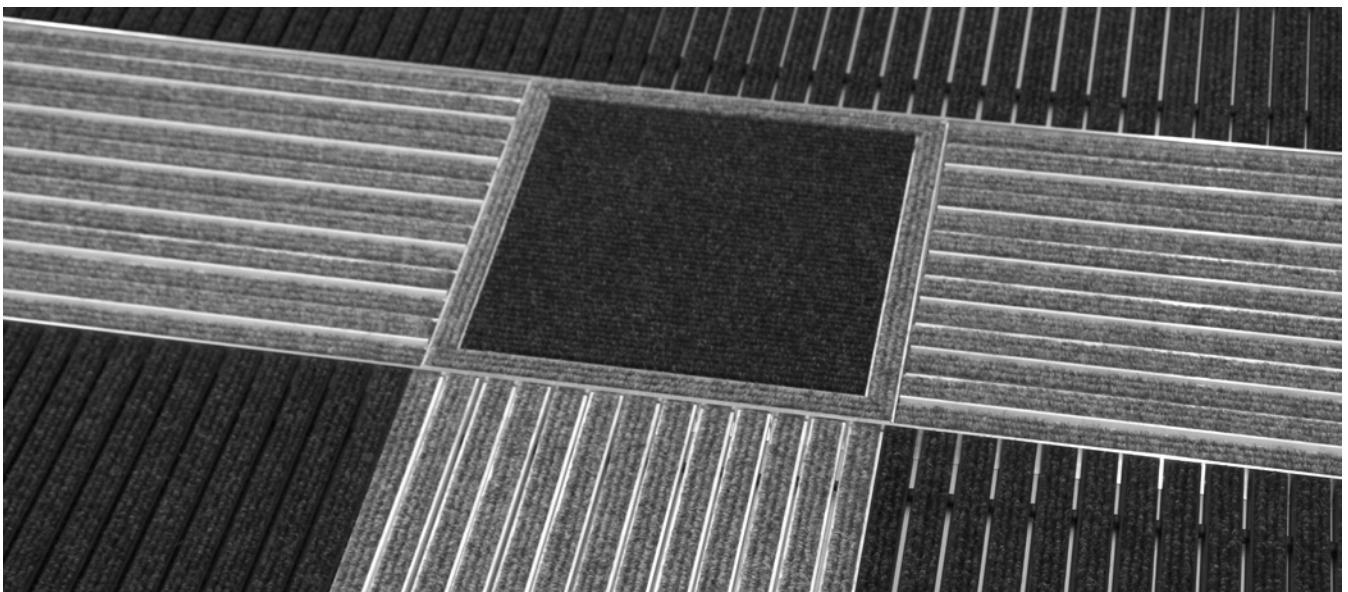
Guidance system for the visually impaired plus cleaning – combined in one system

The emco TLS tactile guidance system for the blind features high-contrast colours with aluminium profiles with slightly different heights running longitudinally and at right angles to the direction of traffic and which can be felt with the soles of the feet as well as with the help of a cane, allowing blind and visually impaired persons to find doors, stairs, lifts etc. and to find their way around halls. The guidance system also

draws attention to obstacles and dangers. The floor-level guidance system also makes orientation easier for persons without visual impairment. The material provides strong contrasts for people with visual impairments, who can therefore more easily distinguish between it and the rest of the entrance mat material.



Aluminium profiles with slightly different heights running along the direction of traffic can be felt with the soles of the feet as well as with canes.



The high-contrast colouring offers an additional aid to orientation for visually impaired persons who can perceive differences in brightness.



- ✓ Aid to orientation in entrance areas
- ✓ Tactile experience thanks to profiles with alternating heights
- ✓ Improved perception thanks to high-contrast colours
- ✓ High cleaning efficiency in busy entrance areas
- ✓ Can be integrated within the entrance mat system.



Find out more about the tactile guidance system by emco at www.emco-bau.com





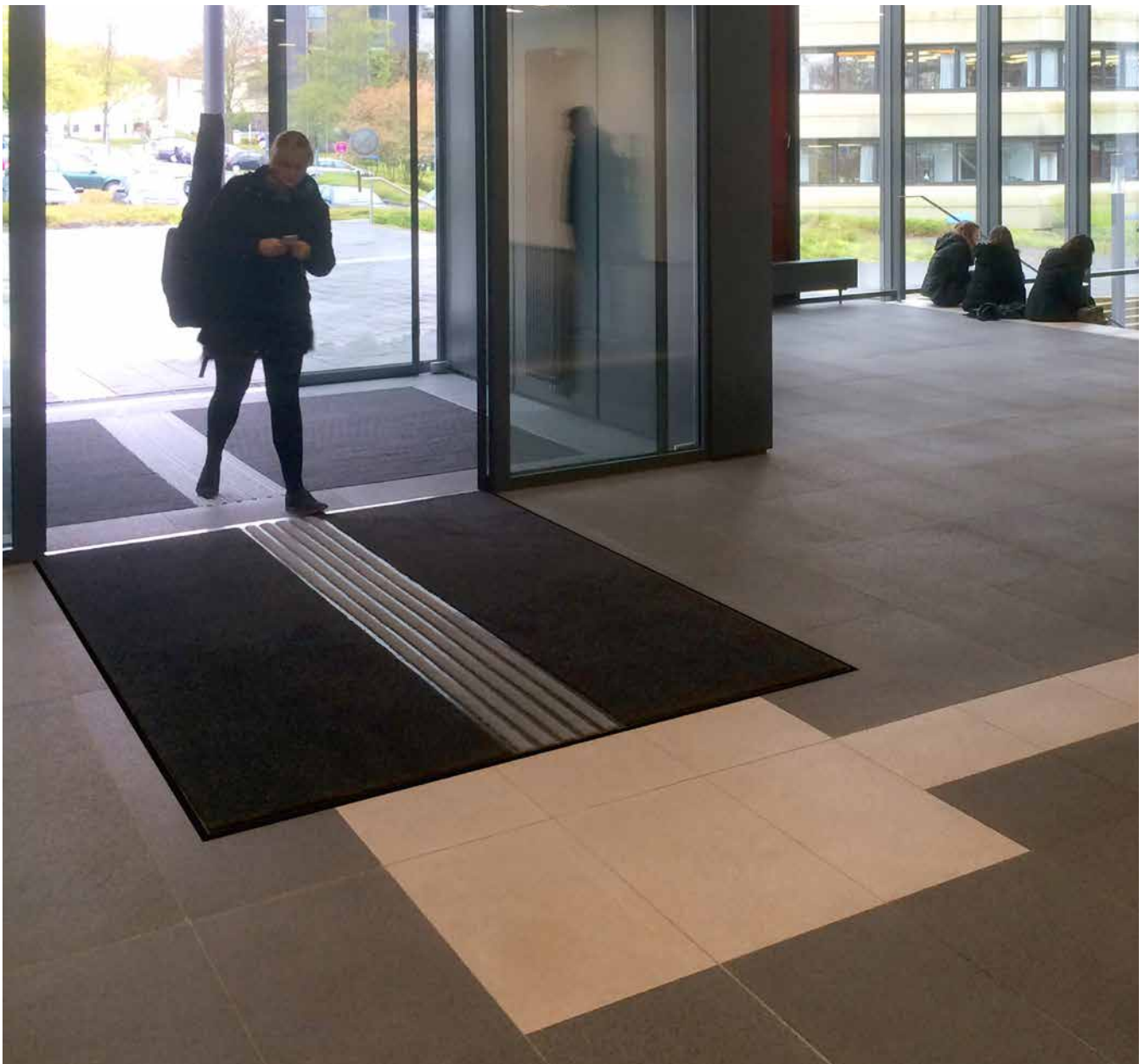
Can be laid in
various directions.

emco **MAXIMUS®** ASSISTANCE

The first clean-off mat with integrated floor-level information for the blind and visually impaired

This clean-off mat has a tactile floor-level guidance system to help blind and visually impaired persons to find their bearings and to find their way around in entrance areas and buildings. This flexible innovation also makes it possible to implement a reliable continuation of existing floor-level guidance systems – for example in the form of a transition from the pavement to the interior of a building. Here, the guidance system individu-

ally integrated in the mat provides floor-level information in the form of different heights, which can be felt with the soles of the feet as well as with the help of a cane. High-contrast colouring provides additional assistance. In this way, the emco MAXIMUS® ASSISTANCE ensures safe guidance for visually impaired persons, and is particularly suitable for retrofitting.

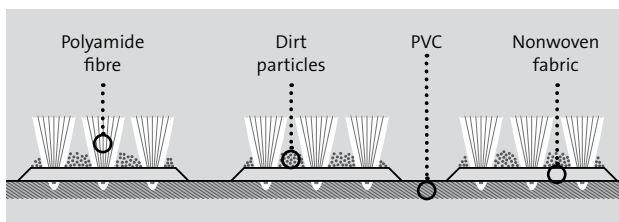


The optimum combination of dirt reduction and guidance

- ✓ For easy orientation and safe guidance
- ✓ Mobile installation
- ✓ Tactile information through differences in height
- ✓ High-contrast colours for improved perception
- ✓ Can be implemented in conjunction with existing guidance systems and as a 3-zone cleaning system
- ✓ Can be individually integrated and adapted to specific objects
- ✓ Proven MAXIMUS®-quality

Technical data	
Pile material	Tufted velour 1/8", effective pile weight 1000 g/m ²
Pile height	approx. 9 mm
Backing material	Heavy coating, thickness approx. ca. 1,4 mm plus border reinforcement
Total height of mat	approx. 11 mm
Total weight	3410 g/m ²
Pile density	13.860/m ²
Customer specific border label	approx. 20 mm
Mat colours	Black mottled (81.01) or Black single (80.01)
Guidance strip colours	Grey single (80.03)
Maximum size	300 x 500 cm
Minimum width	100 cm

emco MAXIMUS® ASSISTANCE



Material structure





emco SPIN® SAFE

Entrance mat combined with stainless steel elements

Recommended for: G types: outdoor areas
R types: indoor and covered outdoor areas

Height: 25,9 mm

Passages: SPIN® SAFE/G: from 2000 passages/day
SPIN® SAFE/R: from 2000 passages/day

Suitability for wheeled traffic: Wheelchairs, prams, (shopping trolleys), hand trolleys

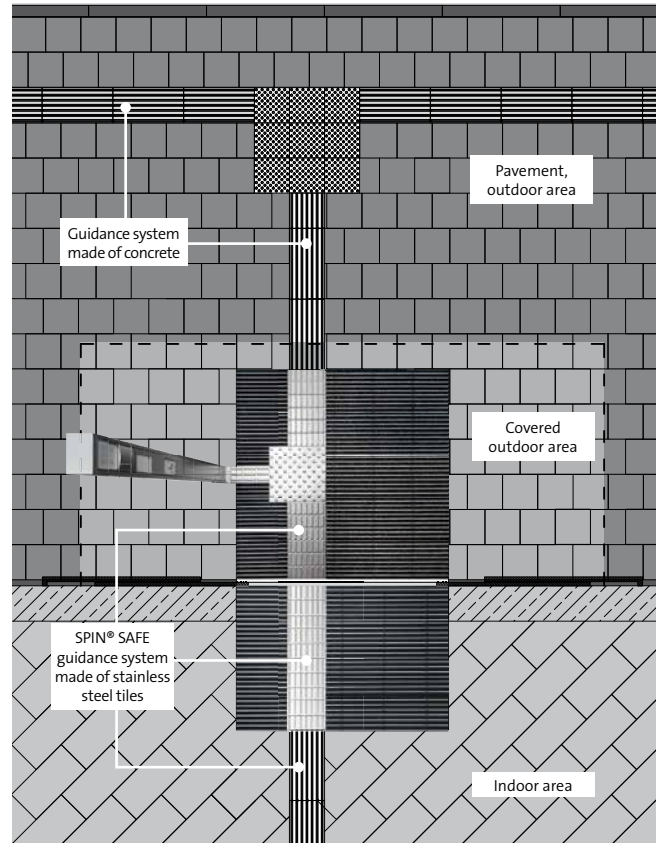
Support chassis: Reinforced support chassis made of rigid aluminium with sound insulation underlay

Tread surface: Recessed, robust, weather-proof coarse-fibre ribbed carpet strips (brand-name fibres) or profiled rubber inserts, combined with stainless steel tiles

Non-slip properties: Slip-resistance R 9 (stainless steel tile), R 11 (ribbed carpet insert) and R 9 (rubber insert) in accordance to DIN 51130

Colours: **Ribbed carpet inserts:** anthracite
Rubber inserts: black

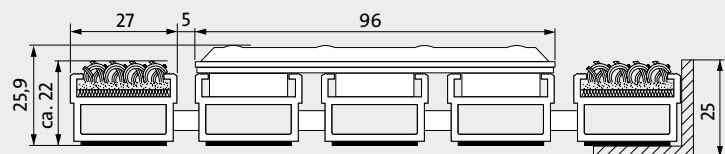
Attention panel: 450 x 450 mm



emco SPIN® SAFE with ribbed carpet insert (R)



22 SPIN/R



Product	Type	Insert	Standard profile clearance approx. (mm)	Approx. height (mm)	Weight (kg/m²)	Installation frame		
						Frame type	Dimensions in mm (H x W x D)	Material
SPIN® SAFE	22 SPIN/R	ribbed carpet	5	25,9	27,7	500/25	25 x 28 x 3	aluminium
	22 SPIN/G	rubber						

Texts for invitations to tender: www.emco-bau.com – www.ausschreiben.de



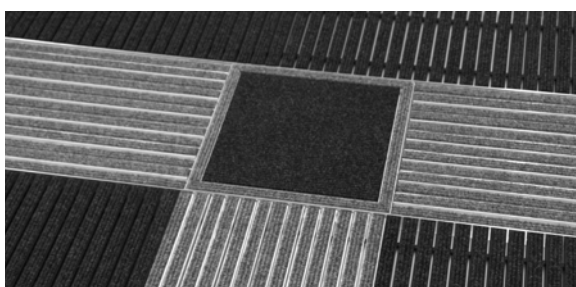
emco TLS

Guidance system for the visually impaired plus cleaning – combined in one system

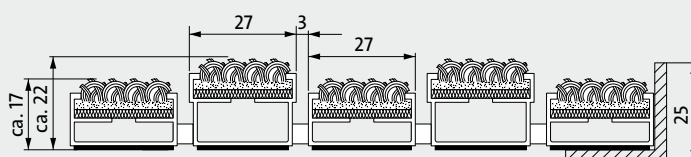
- Recommended for:** G types: outdoor areas
R types: indoor and covered outdoor areas
- Height:** ca. 22 mm
- Passages:** DIPLOMAT: up to 2000 passages/day
MARSCHALL: from 2000 passages/day
- Suitability for wheeled traffic:** Wheelchairs, prams, (shopping trolleys), hand trolleys
- Support chassis:** Made of rigid aluminium with sound insulation underlay, alternately in two heights. (17 and 22 mm) in the area of the tactile guidance system; optionally available in aluminium painted in bright colours
- Tread surface:** Recessed, robust, weather-proof ribbed carpet strips and/or profiled rubber inserts
- Non-slip properties:** Slip resistance R 11 (ribbed carpet insert) and R 9 (rubber insert) in accordance to DIN 51130
- Colours:** **Ribbed carpet inserts:** light grey, anthracite
Rubber inserts: black
Aluminium support chassis: white, black (optional)
- Attention panel:** 350 x 350 mm to 1000 x 1000 mm



emco DIPLOMAT with TLS ribbed carpet insert (R)



522 TLS/R



Product	Type	Insert	Standard profile clearance approx. (mm)	Approx. height (mm)	Weight (kg/m²)	Installation frame		
						Frame type	Dimensions in mm (H x W x D)	Material
DIPLOMAT	522 TLS/R	ribbed carpet	3	22	9,6	500/25	25 x 28 x 3	aluminium
	522 TLS/G	rubber			14,0			
	522 TLS R/G	ribbed carpet/rubber			9,6			
MARSCHALL	522 TLS S/R	ribbed carpet	3	22	15,0			
	522 TLS S/G	rubber			14,4			
	522 TLS S/RG	ribbed carpet/rubber			9,6			

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