

emc o carpet mats

**Clean – Custom options – Premium Quality** 









## Designing clean entrances

Take the first step towards cleanliness — on our entrance matting systems. We are one of the world's leading manufacturers of entrance mat systems that are designed to reduce dirt and damp trafficking into buildings. But our systems do much more than protect buildings and their users. Combining cust omised designs and high-quality workmanship, they help any entrance area make a grand entrance of its own.

### emc o carpet mats

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## The right entrance

As the European leader in the entrance matting systems market, we aim to ensure that building interiors provide hygienic, safe environments – and our washable carpet mats are our solution to this. To create them, we combine decades of experience, innovative production processes and superior design standards. And the result? High-quality carpet mats that not only offer winning functional features, but also provide an attention-grabbing advertising medium. Our carpet mats are manufactured exclusively in German y.

To ensur e that your entrance is alw ays right, we offer different product lines for our carpet mats:

- emc o IMAGE prepares the ground for your ideas from the company logo to a picture.
- The innovative production technolog y used f or the emc o IMAGE STYLE
  allows the carpet ma t to be cut t o virtually an y desired shape.
- With emc o IMAGE OUTDOOR, the good impression begins even before you reach the door.
- emc o CIASSIC, mean while, provides a mor e standar dised alternative that is ideal for rental purposes.









# Quality does not appear out of nowhere

Creating the perfect product requires a combination of experience, high-quality materials and precision.

Both the pile fibre material and the nitrile rubber used for the backing have been specially chosen for our products and are the best materials for the job. The production process – consisting of several production steps that are designed to enhance quality and performed on state-of-the-art machines – combines the fibre material and nitrile rubber to create a consistently high-quality carpet mat that maintains the same excellent standards even when subjected to heavy usage and frequent cleaning in tervals.

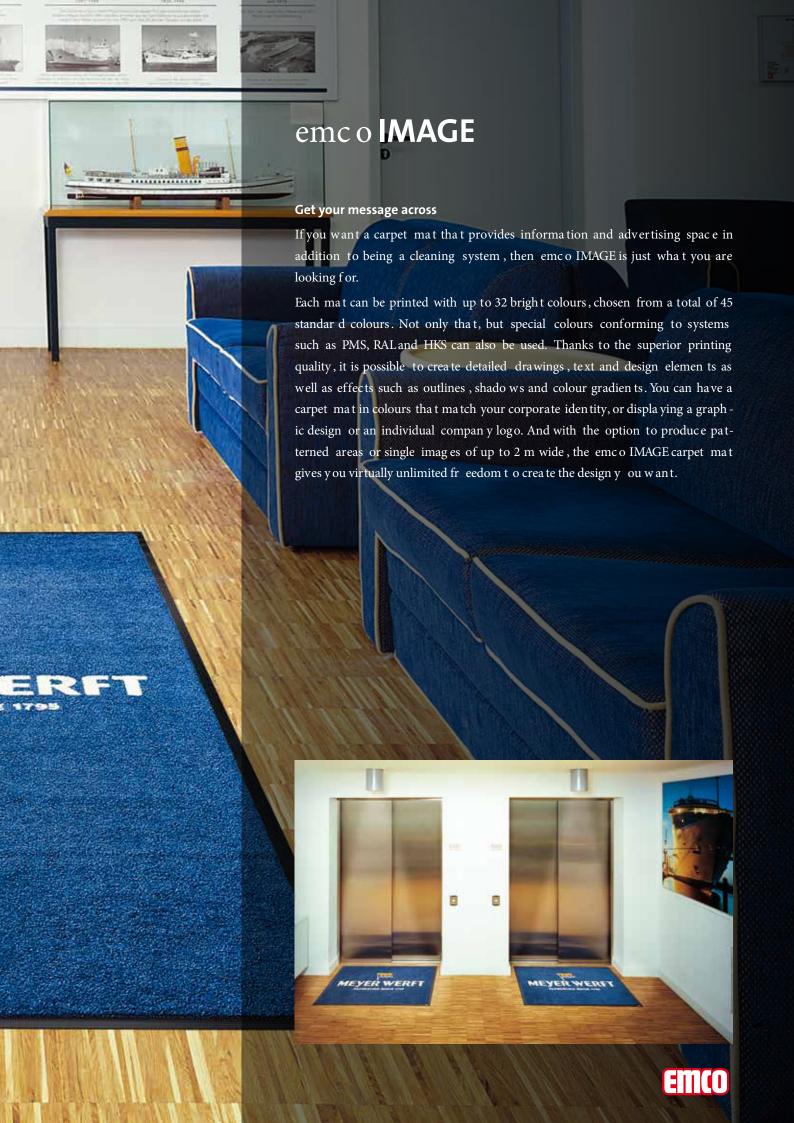












## emc o **IMAGE**

Technical data	
Pile ma terial	High twist n ylon (100 % polyamide 6 .6), effective pile w eigh t 90 0 g/m $^2$
Pile heigh t	Approx. 7-8 mm
Backing ma terial	Nitrile rubber c oating, thickness appr ox. 14 mm plus bor der reinforcemen t
Total heigh t of mat	Approx. 8-9 mm
Total w eigh t	$2.600  \mathrm{g/m^2}$
Border width	Approx. 20 mm
Printing method	Chromojet prin ting method
Colours	Max. 32 of 45
Water absorption	Approx. 3 to 4 litres per m <sup>2</sup>
Washing temper ature	Max. 60 ° C
Fastness t o washing	Colour fast in ac c. with DIN 54006
Electrosta tic beha viour	Very low elec trosta tic dischar ge, volume r esistanc e 2.2 x 1011 ohms, in acc. with DIN 54345
Oil resistanc e (nitrile rubber backing)	Very good
Fire resistanc e (on request, subject to additional charge)	Acc. to $C_{\rm fl} = s^{1}$ (in acc. with EN 13501), flame r esistan t
Customer specific border label	On request
Backing ma terial	Smooth or dimpled
Dimensional t olerance	+/- 3%

### Standard dimensions in cm

85 x 75	100 x 200	115x 180	150 x 200	200 x 200
85 x 120		115x 200	150 x 250	200 x 300
85 x 150		115x 240		200 x 400
Special dimensions possible , up to 20 0 x 50 0 cm				

#### 100 (0.05)

### Material structure



Pile heigh t,
7-8 mm
Rubber,
approx. 1,4 mm

Total heigh t, approx. 8-9 mm

### Colours (for further information s. p. 26)

					- 11			10000
Car II						REAL STATE		复展
I 10	I 20	I 30	I 40	I 50	I 60	I 70	I 80	I 90
<b>支付付</b>	不为意义	<b>企业</b> 高量			200			
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I 190	I 20 0	I 210	I 220	I 230	I 240	I 250	I 260	I 270
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I 280	I 290	I 30 0	I 310	I 320	I 330	I 340	I 350	I 360
	<b>*</b>		SERVICE	<b>B</b> 437				<b>X</b>
I 370	I 380	I 390	I 40 0	I 410	I 420	I 430	I 44 0	I 450







### emc o IMAGE STYLE

### Logo – A real eye-catcher

The emc o IMAGE STYLEspecial shape mat combines the brightness and variety of colour of emc o IMAGE with the ability to create virtually any shape of your choosing. Thanks to the very latest technology, mats can now also be cut in special shapes (to represent products or company logos, for example). Thanks to this ability to support cust om designs, emc o IMAGE STYLEmats exude quality and functionality, as well as grabbing the attention as a promotional medium. Complex special formats to complement structural design can also be achieved.

### **Guiding and enticing**

With their truly individual eye catching style, the emcoIMAGE STYLE special shape mats turn floors into a promotional medium. They are ideal for both long-term campaigns and one-off promotions and seasonal marketing – they are flexible in application as they can be moved to wherever they are needed the most. The cust om design mats function as guidance systems, as their design, format and size can be adapted to meet prevailing building requirements with ease, taking visit ors and cust omers where eyou want them to go.

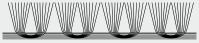


## emc o **IMAGE STYLE**

Technical data	
Pile ma terial	High twist n ylon (100% poly amide 6 .6), effective pile w eigh t 90 0g / $m^2$
Pile heigh t	Approx. 7-8 mm
Backing ma terial	Nitrile rubber c oating, thickness appr ox. 2 mm
Total heigh t of mat	Approx. 8-9 mm
Total w eigh t	$2.600  \mathrm{g}  / \mathrm{m}^2$
Border width	Approx. 20 mm
Printing method	Chromojet prin ting method
Colours	Max. 32 of 45
Water absorption	Approx. 3 to 4 litres per m <sup>2</sup>
Washing temper ature	Max. 60 ° C
Fastness t o washing	Colour fast in ac c. with DIN 54006
Electrosta tic beha viour	Very low elec trosta tic dischar ge, volume r esistanc e $2.2 \times 1011$ ohms, in acc. with DIN 54345
Oil resistanc e (nitrile rubber backing)	Very good
Fire resistanc e (on request , subjec t to additional char ge)	Acc. to $C_{ii} - s^{1}$ (in acc. with EN 13501), flame r esistan t
Customer specific border label	On request
Backing ma terial	Smooth or dimpled
Dimensional t olerance	+/- 3%

Standard dimensions in cm					
85 x 75	100 x 200	115x 180	150 x 200	200 x 200	
85 x 120		115x 200	150 x 250	200 x 300	
85 x 150		115x 240		200 x 400	
Special dimensions possible $$ , up to 20 0 x 50 0 cm					

### Material structure



Pile heigh t, 7-8 mm

Rubber, approx. 2,0 mm Total heigh t, approx. 8-9 mm

### Colours (for further information s. p. 26)











## emc o IMAGE OUTDOOR

Technical data	
Pile ma terial	High twist n ylon (100% poly amide 6 .6), effective pile w eigh t $1.000/\text{m}^2$
Pile heigh t	Approx. 7-8 mm
Backing ma terial	Nitrile rubber c oating, thickness appr ox. 2 mm
Total heigh t of mat	Approx. 8-9 mm
Total w eigh t	$3.200 \text{ g/m}^2$
Border width	Approx. 20 mm
Printing method	Chromojet printing method
Colours	Max. 17
Washing temper ature	Max. 40 °C
Fastness t o washing	Colourfast in acc. with DIN EN20105-C01
Lightfastness	Good to very good lightfastness
Customer specific border label	On request
Backing ma terial	Dimples o ver the en tire sur face, with holes to drain off the water
Dimensional t olerance	+/- 5%

### Standard dimensions in cm

 50 x 75
 85 x 150
 150 x 200

 60 x 90
 115x 200
 200 x 300

 85 x 75
 130 x 200
 200 x 400

Special dimensions on r equest

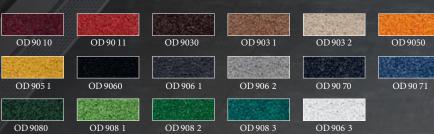
### Material structure



Pile heigh t,
7-8 mm
Rubber,
appr ox. 2,0 mm

Total heigh t, approx. 8-9 mm

### Colours (for further information s. p. 26)









### emc o CLASSIC

### **Traditional quality**

Wherever neutrality and functionality are the order of the day, emc o CIASSIC carpet mats can be relied upon to do their job in perfect harmon y with their surroundings. In so doing, they provide the perfect complement to prominently positioned emc o IMAGE carpet mats.

Thanks to optimum product quality, the mats are able to absorb dirt and moisture very well. Floors and floor coverings can be sure of long-term protection, as the hard-wearing mats are just as much a match for intense loads as they are for cleaning at frequent intervals. Without printed images, the mats are available in five standard colours measuring up to  $200 \times 500 \, \text{cm}$ .



## emc o **CLASSIC**

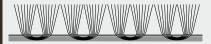
Technical data	
Pile ma terial	High twist n ylon (100% poly amide 6), effective pile w eigh t $650 \text{ g/m}^2$
Pile heigh t	Approx. 8 mm
Backing ma terial	Nitrile rubber c oating, thickness appr ox. 1,4 mm plus bor der reinforcemen t
Total heigh t of mat	Approx. 10 mm
Total w eigh t	$2.500\mathrm{g/m^2}$
Border width	Approx. 20 mm
Colours	5
Water absorption	Approx. 3 to 4 litres per m <sup>2</sup>
Washing temper ature	Max. 80 ° C
Electrosta tic beha viour	Very low elec trosta tic dischar ge, volume r esistanc e $2.2 \times 1011$ ohms, in acc. with DIN 54345
Oil resistanc e (nitrile rubber backing)	Very good
Fire resistanc e (on request , subjec t to additional char ge)	Acc. to $C_{\rm f}$ – $s^{1}$ (in acc. with EN 13501), flame r esistan t
Customer specific border label	On request
Backing ma terial	Smooth or dimpled
Dimensional t olerance	+/- 3%

### Standard dimensions in cm

85 x 75	100 x 200	115x 180	150 x 200	200 x 200
85 x 120		115x 200	150 x 250	200 x 300
85 x 150		115x 240		200 x 400

Special dimensions possible  $\,$  , up to 20 0 x 50 0 cm  $\,$ 

### **Material structure**





Rubber, approx. 1,4 mm

Total heigh t, appr ox. 9-10 mm

### Colours



















### emc o colours

#### Colours

We provide clearly defined standard Pantone colours and no mixed colours, meaning that our colours provide outstanding luminance. You can choose from 45 standard colours (see below) and have up to 32 different colours printed per mat. Special colours in accordance with PMS, RAL, HKS, etc. can also be printed.

### **Colour retention**

Colour bleeding is minimised by an additive – the anti-soiling characteristics of the fibres are improved considerably.

#### **Colour fastness**

Our colours are washable, fast to water, friction-resistant and non-fading – in accordance with DIN ISO 105.

### Chromojet

One of our most recent investments is a second Chromojet printing system, which applies the selected motifs permanent - ly to the undyed, tufted mat material and can work with 32 colours simultaneously, using 48 state-of-the-art nozzles per colour and a resolution of 25 dpi. This second printing system has enabled us to achieve a capacity increase of around 200%.

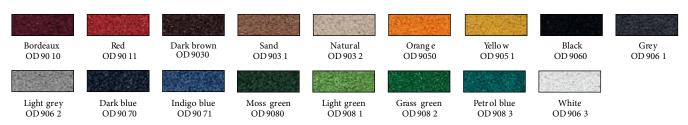




#### Colours emco IMAGE and emco IMAGE STYLE



### Colours emco IMAGE OUTDOOR



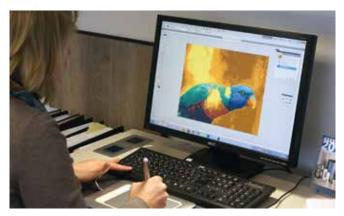
### emc o design

### In-house designers

Individual design requirements can be made a reality directly on our premises thanks to our in-house designers. We will provide you with the necessary expert knowledge - all from a single source. Adaptations and special requests can be implemented at any time, without complicated communication routes.

Simply send us your desired motif or logo as an email file attachment. Mat logos are produced on a PC using Corel Draw and Photoshop software. This is compatible with the file formats cdr, eps, ai and pdf, as well as the image formats jpg, gif, tif and psd; you should ensure that the templates have an image resolution (dpi) between 150 – 200 dpi.

Once we have received your logo template, we will e-mail you a preliminary design in a PDF file. A brief confirmation of our proposed design via e-mail or fax is all we need from you, then we will pass the order on to our production department. You will usually receive your logo mat 11to 15 days after approving our design.







### Special shapes

emco's machine pool now includes a cutting plotter that has been specially developed for cutting the carpet mats into individual shapes. The systems are designed to define each product in accordance with its specific properties (such as colour or design) and transfer this into a detailed cutting template via an appropriate scanning procedure. Thanks to our innovative production technology, alongside the standard geometries with which you will no doubt be familiar, mats can now also be cut into special shapes of any kind (to represent products or company logos, for example).



#### emco logo mat designer

Offer your customers more! You can now use the emco logo mat designer yourself to design customized logo mats for your customers in just a few steps: a large variety of designs, faster implementation.



### emc o labels

### Labels and positioning

Allemco carpet mats feature a label stating the date of manufacture and an emco border label as standard (Fig. 1).emco IMAGE mats also bear two white ID labels (Fig. 2) as standard; these are available on CLASSIC mats on request.

Additional labels can also be provided on emco carpet mats if requested by the customer. These labels may contain company information (logo, telephone number, website address, etc.), inventory data or washing instructions (Fig. 4). (Minimum order quantity 250 units, subject to additional charge.)

emco also offers blank labels (Fig. 1), on which the customer can write whatever they like using a waterproof pen (inventory numbers, sizes, etc.). The labels can be placed in various positions: as a rear label on the mat backing (e.g. Fig. 3, 4, 8) or as a border label on the front of the mat (e.g. Fig. 5 to 7). The labels are permanently attached to the carpet mat's substrate material (e.g. Fig. 2).



▲ Abb. 1

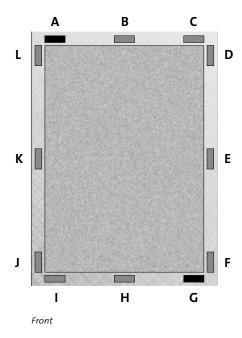


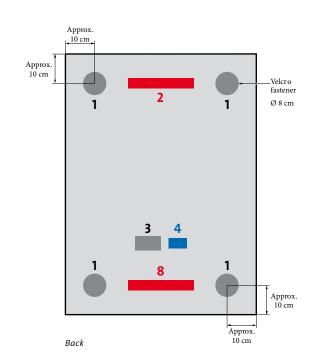
▲ Fig. 2



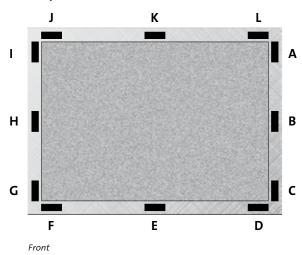
### emc o labels

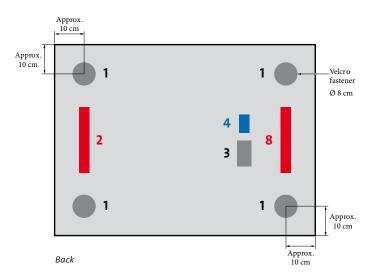
### **Portrait**





### Landscape





Standard labelling (positions)	Portrait and landscape , reverse
For ID label – provided as standard on emco IMAGE mats, optional for emco CLASSIC	2/8
For label stating date of manufacture – provided as standard on all types	4

Position of additional labels on request	Portrait, front	Landscape , front	Portrait and landscape , reverse
emco standard border label	G	D	
Two border labels, e.g.	G and A	D and J	
Velcro fasteners			1
Washing instructions			3

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### emc o material, quality and warrenty

### Materia and quality

Quality requirements are the top priority during development and production, particularly when it comes to customised designs. Not only is the backing or the yarn a crucial factor in this respect, but also the colours and dyeing process used. An emco IMAGEcarpet mat is only worthy of the name if it continues to promote a company's image after many years of use, as well as providing a method of keeping an area clean.

Carpet mats from emco are produced exclusively from the most suitable fibres for the job (high twist nylon 100% polyam-ide 6.6). The height of the fibre makes them especially fluffy, enabling them to absorb a great deal of moisture. The nitrile rubber backing, available with or without dimples, offers long-lasting elasticity and can withstand repeated cleaning and washing, which will not leave any trace. emco IMAGE and CLASSICare available in flame-resistant versions (Cfl – s1 in accordance with EN 13501, subject to an additional charge). Reinforcement of the borders ensures that they lie flat against the floor and prevents early tears during washing. Quality does not appear out of nowhere – only experience, the best materials and precision will result in an optimum product.

### Areas of use and warranty

The types emco IMAGE, emco IMAGESTYLEand emco CLASSIC are indoor mats, which are only suitable for outdoor use to a limited extent. emco IMAGE OUTDOORmats were specially developed for use in outdoor areas. All emco mat types are subject to the risk of slipping, caused by exposure to UV light and ozone. This can lead to loss of colour in the mats and to perma nent discoloration of the floor covering, which are not covered by the warranty. A regular washing cycle (performed at least every 4 weeks) will prevent this. The conditions of production mean that certain changes in or loss of colour cannot be prevented and cannot, therefore, be included in the warranty. Damage due to malfunctioning of washing machinery or deliberate detrimental acts by the customer are not covered. The large amount of manual work involved means that small deviations in dimensions are unavoidable and do not represent grounds for complaint. In the event of a complaint, compensa tion can only be made to the current value of the mat. The warranty covers large sections of the pile coming away from the rubber backing, as well as tears to the border.

#### **Flammability**

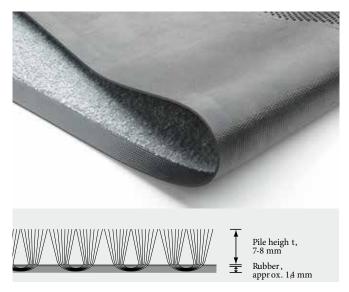
Our carpet mats are available as a flame-resistant version in accordance with Cfl-s1, providing additional safety.





#### **Vulcanisation press**

State-of-the-art vulcanisation presses are responsible for liquefying the carpet backing, which consists of top-quality nitrile rubber, and bonding it with the individually printed tufting material. Long-term elasticity and a high degree of resistance to atmospheric and chemical influences and mechanical stress then develop under the effects of time, temperature and pressure. The technical specifications of the nitrile rubber are important, since they have a decisive influence on the way in which the mat lies. Here emco makes sure that the highest standards are complied with. Excellent border reinforcement ensures the mat lies perfectly in place.



### emc o washing and storage

### Washing temperatures and procedure

emco IMAGE: max. 60 °C

emco IMAGE STYLE: max. 60 °C

emco IMAGE OUTDOOR: max. 40°C

emco CLASSIC: max. 80 °C

Following delivery, mats should be washed or brushed to make the pile stand up and enable the mat to pick up dirt. This process will also improve the high-quality appearance of the mat and make its colours look brighter. The perforation (see page 32 – Benefits that come as standard) may leave individual pile threads standing upright, but the process of washing or brushing the mat will make these threads blend in too.

### Washing and storage

IMAGEmats should not be washed together with other mat types, nor with logo mats produced by other manufacturers, if at all possible. This is because the lower-quality colours used by some manufacturers for their logo mats can sometimes bleed and end up being deposited on other mats.

CLASSICmats can be washed together with other solution dyed mats, including those produced by other manufacturers, quite safely.

Mats produced without a border (take an additional 10 cm trim margin into account when placing your order) should be washed and dried three to five times prior to fitting, as shrinkage will be unavoidable.

### **Recommended detergents**

In general, anionic detergents without optical brighteners should be used. Non-alkaline detergents should be used for logo mats, whilst alkaline ones can be used for CLASSIC mats.

### **Drying**

Please take note of the manufacturer's instructions. A washing temperature of between 65°C and 80°C for around seven minutes is ideal. Then dry for another seven minutes at a lower temperature (approximately  $30^{\circ}$ C to  $40^{\circ}$ C).

### Storage

The mats should not be exposed to high temperatures for a long period of time without good reason. Therefore, we recommend removing the mats from the drier as soon as the drying process is finished. Do not fold mats; store them flat, rubber side against pile side. If you store your mats rolled up, always have the rubber side facing outwards.



### The benefits at a glance

Every emco carpet mat offers a number of benefits as standard, which really pay off in day-to-day use. In addition, there is a range of options for you to adapt your carpet mat to your individual requirements.

#### Benefits that come as standard

- The very best workmanship; even borders are straight and tidy
- High pile weight, making the mat particularly fluffy and comfortable
- Can be produced in any size, up to a maximum of 200 x 500 cm
- 32 colours per IMAGE mat, from a total of 45 shades
- To create a logo: 24 48-hour service
- Short delivery time: Just 11 15 days approx.
- Delivery with unmarked packaging possible on request
- No minimum order quantity
- Border reinforcement
- Perforation (Fig. 4): In the interests of durability, all mats are supplied with a perforation (prevents the mat from breaking during washing, provides better drying performance).

### Benefits to customer requirements

- A vast range of shapes available on request (Fig. 1)
- Rounded corners
- Customer-specific border label (Fig. 2)
- Inventory number label (Fig. 4)
- Integration of transponder chips for digital registration of relevant product data (Fig. 3)
- Stamp on reverse (Fig. 5)
- Attachment of Velcro fasteners for fixing the mat in place on smooth floor surfaces (Fig. 6)
- Double-thickness rubber backing (Fig. 7)
- Mats are available with a dimpled backing (Fig. 8) on request. For technical reasons, the dimples are not applied across the entire rear of the mat, just to a certain area.
   The distance between the dimpled area and the border cannot be specified, due to the variety of mat sizes available.
- Special colours (Pantone or RAL)

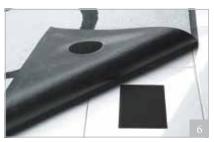














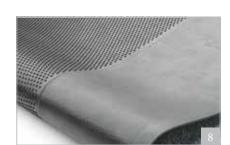




Fig. 2: Border label

Fig. 3: Transponder chips

Fig. 4: Perforation/inventory number label

Fig. 5: Stamp on rear

Fig. 6: Velcro fasteners

Fig. 7: Double-thickness rubber backing

Fig. 8: Dimpled backing

### The company

The emco Group based in Lingen, Germany, is a company which, since its founding in 1945, has stood out thanks to its consistent growth, expertise and innovation.

Its wealth of ideas, entrepreneurial skills and social partnership approach with employees form the basis for the company's continuously positive development trends.

An unmistakeable feature of all the products manufactured under the EMCO and NOVUS brand names is the synthesis of practical benefits and exemplary designs.

It is this product quality in terms of both form and function that is helping the company to sustain its global market presence in the new millennium. emc o Bau- und Klimatechnik GmbH & Co. KG is a compan y of





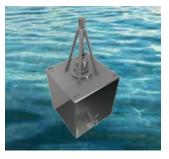
emc o **bad** bathroom equipment



emc o **bau** building systems



emc o **klima**air-conditioning engineering



emc o **water** water treatment

### **MOVUS**



novus **office**office technology



novus **fastening**fastening technology





dahle **office**office technology





emc o **e-scooter** electric scooters

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