

 **MADE  
IN  
GERMANY**

**imi**-beton-mat

**Manual**

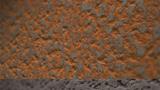
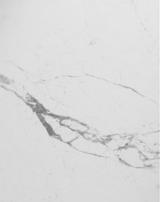
Installation instructions  
Care instructions

**imi**  
**SURFACE DESIGN**

# Product benefits

- High-quality organic polyurethane carrier made from renewable raw materials such as rapeseed oil and chalk
- Authentic feel and original look
- 3D surfaces
- Completely free of plasticizers, PVC, chlorine, and solvents
- Concrete layer made from mineral substances
- Blue Angel certified
- Completely odorless
- Disposal via household waste
- Dimensionally stable – retains its shape even at fluctuating temperatures
- B1 fire protection certified
- Can be cleaned with neutral cleaners
- Higher slip resistance possible
- Can be processed with a utility knife, no machines necessary

## product information

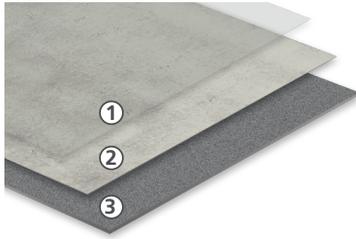
	Decor no. and description	Item no.	Thickness in mm	Weight per square meter	Dimension in mm	Wall / Ceiling	floor
	224 imi-beton mat Vintage (sharp-edged)	MVG 1003	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	
	224 imi-beton mat Vintage (4-sided chamfered)	MVG 1073	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	•
	224 imi-beton mat Vintage (4-sided chamfered)	MVG 1273	ca. 3	ca. 5,4 kg	1.000 x 500	•	•
	224 imi-beton mat Vintage (sharp-edged)	MVG 1503	ca. 3	ca. 5,4 kg	2.600 x 500	•	
	224 imi-beton mat Vintage (4-sided chamfered)	MVG 1573	ca. 3	ca. 5,4 kg	2.600 x 500	•	•
	226 imi-beton mat Vintage anthr. (sharp-edged)	MVG 2003	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	
	329 imi-rust mat (sharp-edged)	MRG 1003	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	
	341 imi-precious rust (sharp-edged)	MER 1003	ca. 3	ca. 5,8 kg	2.600 x 1.000	•	•
	621 imi-asphalt mat (sharp-edged)	MA 1003	ca. 3	ca. 5,8 kg	2.600 x 1.000	•	•
	1053 imi-sandstone mat (sharp-edged)	MS 4003	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	
	1053 imi-sandstone mat (sharp-edged)	MS 4203	ca. 3	ca. 5,4 kg	1.000 x 500	•	
	1053 imi-sandstone mat (sharp-edged)	MS 4503	ca. 3	ca. 5,4 kg	2.600 x 500	•	
	1260 imi-marmor mat bianco (sharp-edged)	MMW 1003	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	
	1260 imi-marmor mat bianco (4-sided chamfered)	MMW 1073	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	•
	1260 imi-marmor mat bianco (4-sided chamfered)	MMW 1273	ca. 3	ca. 5,4 kg	1.000 x 500	•	•
	1260 imi-marmor mat bianco (sharp-edged)	MMW 1503	ca. 3	ca. 5,4 kg	2.600 x 500	•	
	1260 imi-marmor mat bianco (4-sided chamfered)	MMW 1573	ca. 3	ca. 5,4 kg	2.600 x 500	•	•
	1261 imi-marmor mat nero (sharp-edged)	MMS 1003	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	
	1261 imi-marmor mat nero (4-sided chamfered)	MMS 1073	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	•
	1261 imi-marmor mat nero (4-sided chamfered)	MMS 1273	ca. 3	ca. 5,4 kg	1.000 x 500	•	•
	1261 imi-marmor mat nero (sharp-edged)	MMS 1503	ca. 3	ca. 5,4 kg	2.600 x 500	•	
	1261 imi-marmor mat nero (4-sided chamfered)	MMS 1573	ca. 3	ca. 5,4 kg	2.600 x 500	•	•
	1256 imi-kalkstein mat creme (sharp-edged)	MKS 1003	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	
	1256 imi-kalkstein mat creme (4-sided chamfered)	MKS 1073	ca. 3	ca. 5,4 kg	2.600 x 1.000	•	•
	1256 imi-kalkstein mat creme (4-sided chamfered)	MKS 1273	ca. 3	ca. 5,4 kg	1.000 x 500	•	•
	1256 imi-kalkstein mat creme (sharp-edged)	MKS 1503	ca. 3	ca. 5,4 kg	2.600 x 500	•	
	1256 imi-kalkstein mat creme (4-sided chamfered)	MKS 1573	ca. 3	ca. 5,4 kg	2.600 x 500	•	•
	224 imi-beton mat Vintage Herringbone S	Herringbone S	ca. 3	ca. 3,4 kg	800 x 788	•	•
	224 imi-beton mat Vintage Herringbone XL	Herringbone XL	ca. 3	ca. 4,7 kg	932 x 934	•	•

\*Other designs are available on request.

# Technical specifications

Classification according to EN 16776:2016 (resilient floor coverings)

## structure



1. Protective coating
2. Mineral **imi** coating in various designs
3. Bio-PU backing



[www.blauer-engel.de/uz120](http://www.blauer-engel.de/uz120)

## Product description:

The **imi**-beton mat is an organic mat made of polyurethane with a designer surface in authentic-looking finishes such as concrete, rust, and asphalt. The **imi**-beton mat is made primarily from vegetable oils, such as rapeseed or castor oil, and naturally occurring mineral components, such as chalk. The **imi**-beton mat therefore consists mainly of renewable raw materials and natural fillers—without PVC, plasticizers, or solvents, making it low in harmful substances!

## possible applications:

The imi-beton mat can be used for walls, floors, and ceilings. Because it is flexible, the mat is also suitable for interior design, furniture fronts, shop and trade fair construction, and much more.

## classifications

	<b>utility class 23</b> EN ISO 10874	heavily used commercial floor area
	<b>utility class 34*</b> EN ISO 10874	heavily used commercial floor area
	<b>utility class 43*</b> EN ISO 10874	heavily industrial areas
	<b>Fire class</b> EN 13501-1	C-s1, d0 (comparable to B1 of DIN 4102-2)
	<b>slip resistance level</b> DIN 51130	R10
	<b>Lightfastness (test method 2)</b> EN ISO 105-B02	Blue scale $\geq 6$ ; Gray scale $\geq 4$
	<b>residual impression</b> EN ISO 24343-1	~ 0,03
	<b>sliding resistance</b> EN 13893	coefficient of sliding friction $\mu$ 0,42
	<b>Furniture leg test</b> EN ISO 16581:2019	Stamp type - Type 2
	<b>Suitable for chair casters</b> EN 425	25,000 revolutions; no damage with roller type W
	<b>thermal resistance</b> ISO 8302	~ 0,01 (m <sup>2</sup> k)/W
	<b>impact sound reduction</b> EN ISO 10140	~ 4db
	<b>dimensional stability</b> EN ISO 23999	~ 0,02 %
	<b>underfloor heating</b>	Suitable for all conventional hot water underfloor heating systems and regulated electric systems up to a surface temperature of 27°C.

\*Note: Installation in usage classes 34 and 43 is possible, but only after consultation with our application engineering department.

# installation instructions

## Acclimatization:

The **imi**-beton mat and installation aids should be acclimatized in the rooms where they are to be installed at least 24 hours before installation, under the following conditions! Room climate conditions:

- Air temperature in the room > 18°C (but not more than 26°C)
- Floor temperature > 15°C (not more than 22°C)
- Relative humidity < 65%

It must be ensured that consistent room climate conditions are maintained during acclimatization and the setting phase of the adhesive. The above-mentioned room climate must be maintained for at least 72 hours before, during, and after bonding the flooring.

## Requirements for the base material:

- Sufficient strength, load-bearing capacity, dimensional stability, and permanent dryness, free of layers that reduce adhesion, such as dust, dirt, oil, grease, and loose particles.
- Old coverings must be firmly attached, thoroughly cleaned, sanded, and, if necessary, treated with a plasticizer barrier.
- Highly absorbent substrates in wall areas must be pre-coated with a deep primer and should be level.

## Installation:

The **imi**-beton mat can be glued over the entire surface as a floor covering, or laid as a floating floor in combination with our impact sound insulation mat (item 5550). There is an adhesive film on the top of the impact sound insulation mat. Another option is to bond it directly to the floor using an optional self-adhesive layer applied to the back of the **imi**-beton mat at the factory. To compensate for unevenness in the floor, we recommend laying our imi-beton mat with a bevel.

### Important note:

After the appropriate flash-off time, the **imi**-beton mat must be laid in the adhesive bed, joint-tight and tension-free, and then pressed down over the entire surface with a suitable rubbing device. A hand-held pressure roller or a rubbing board is recommended for this purpose.

### When using as floor covering:

After bonding, we recommend rolling the floor covering evenly with a heavy joint roller (at least 50 kg) as soon as possible, within the installation time specified by the manufacturer.

**As a wall covering**, **imi**-beton mats should always be glued over the entire surface. We recommend using low-emission and solvent-free dispersion adhesives on absorbent substrates; wet-bed adhesives are preferable to pressure-sensitive adhesives. The application quantity may vary depending on the type of adhesive and formulation and is specified by the adhesive manufacturer or the TKB notching specified. The processing guidelines of the adhesive manufacturer must be observed. Note: For external wall corners, it is possible to create a chamfer on site. This chamfer can be treated with our matte edge cover paints (see p. 5). To achieve ideal installation and usage results, ensure that the adhesive thoroughly wets the back of the covering. To avoid adhesive squeezing, do not use more adhesive than necessary. If necessary, a test bonding may be useful. An overview of suitable adhesives can be found in our adhesive recommendations at: [www.imi-beton.com/service/downloads](http://www.imi-beton.com/service/downloads). Please observe the adhesive recommendations of the manufacturers.

In principle, it is possible to seal the **imi**-beton mat retrospectively. For commercial use as flooring, additional sealing on site is necessary after laying the imi-beton mat. We recommend a 2-component PUR lacquer for this purpose. Please follow the processing guidelines of the respective manufacturer. You will find a coating recommendation on page 7 and on our website at:

[www.imi-beton.com/service/downloads](http://www.imi-beton.com/service/downloads)

The laid surface should only be put into service/loaded after the adhesive has completely set (follow the adhesive manufacturer's instructions). Please note that the contractor is obliged to maintain a completed but not yet accepted project (protecting the surface from damage by subsequent trades). Partial acceptance transfers the maintenance obligation for the accepted areas to the client. Please note the following for sharp-edged mats: We recommend slightly breaking the edges on the decorative side before installation (deburring with sandpaper: grain size approx. 150).

# Accessories



Abb. 1



Abb. 2

Edge set gray for decor:  
224, 949, 950, 951  
Fig. 1, Item No. 5570

Matte opaque colors for  
various decors  
Fig. 2

Remmers Aqua Paint  
Container Components  
A + B, 5.50 kg  
(approx. 50 m<sup>2</sup>)  
Fig. 3, Item No. 5510  
Impact sound insulation mat  
6,500 x 1,000 mm  
Fig. 4, Item No. 5550



Abb. 3



Abb. 4



Abb. 5



Abb. 6

Ovalit S - Metylan  
1-component wall adhesive  
Fig. 5, item no. 5789

Durocoll - Schönox  
1-component floor adhesive  
Fig. 6, item no. 5794

Aluminum insert profile  
perforated  
2,500 mm length  
Fig. 7, item no. 5560

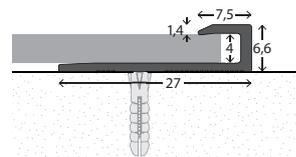


Abb. 7

Transition profile 48 x 4 mm  
2,500 mm length  
Fig. 8, item no. 5630

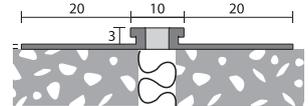


Abb. 8

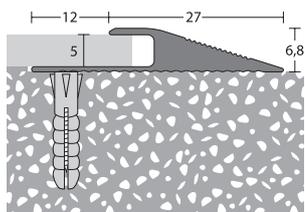


Abb. 9

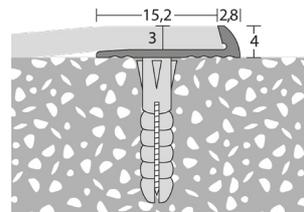


Abb. 10

Aluminum ramp profile  
perforated  
2,500 mm length  
Fig. 9, item no. 5600  
Aluminum end profile  
(order in two parts together with  
item no. 5580)  
2,500 mm length  
Fig. 10, item no. 5610

Aluminum base profile  
Unperforated  
2,500 mm length  
Fig. 11, Item No. 5580

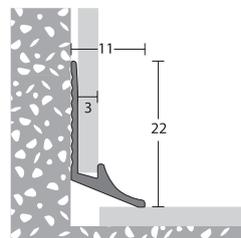


Abb. 11

Adhesive strip, plastic  
2,500 mm length  
Fig. 12, Item No. 5620

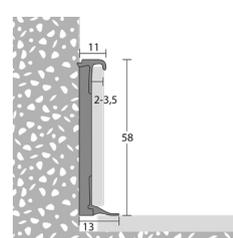


Abb. 12

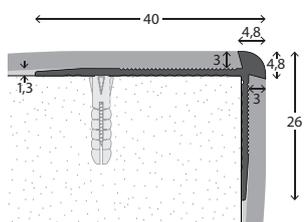


Abb. 13

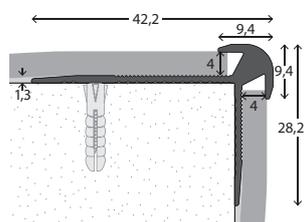


Abb. 14

Aluminum stair nosing  
perforated  
2,500 mm length  
Fig. 13, Item No. 5670

Aluminum stair nosing  
with insert, perforated  
2,500 mm length  
Fig. 14, Item No. 5570

# Adhesive recommendation

system adhesives:



## Recommended adhesives:

The following wet adhesives are approved by the respective manufacturers for laying imi-beton mats:

### Wall:

- Ovalit S und Ovalit P – Metylan
- Power-Tack 300 – WULFF (Blauer Engel)
- Emiclassic und Durocol – Schönox
- KE 2000 S – Uzin Utz AG (Blauer Engel)
- D 3318 MultiFlex – WAKOL (Blauer Engel)
- D 3360 VersaTack – WAKOL
- MS 550 PVC- und Gummiklebstoff – WAKOL
- Bostik's Best – Bostik
- Ardaflex Multi – Bostik
- KE 68T – Uzin

### Floor:

- Durocoll – Schönox
- Supra-Strong – WULFF (Blauer Engel)
- Power-Tack 300 – WULFF (Blauer Engel)
- WSK Pro – WULFF (Blauer Engel)
- KE 2000 S – Uzin Utz AG (Blauer Engel)
- D 3318 MultiFlex – WAKOL (Blauer Engel)
- D 3360 VersaTack – WAKOL
- MS 550 PVC- und Gummiklebstoff – WAKOL
- Bostik's Best – Bostik
- Elastostik Xtrem – Bostik
- Ardaflex Multi – Bostik
- KE 68 – Uzin

For information on installing **imi**-beton mats in bathrooms, see: [www.imi-beton.com/service/downloads](http://www.imi-beton.com/service/downloads)  
We recommend the MAPEI system for installation in damp rooms.

## Coating recommendation

### Product description:

Measure:	Final coating with Aqua 2DS-450/10 on site.
Component:	<b>imi</b> concrete floor covering.
Sanding:	Sand the surface using a sanding pad (green) and then remove any dust. The substrate must be stable and dry, and free of grease, wax, dirt, and dust.
Product:	Aqua 2DS-450/10 + 10% Aqua H-480 + 4% texturing agent SM- 820/M + 10% water.
Application method:	Roll with a 3-4 mm velour roller.
Consumption:	80-100 g/m <sup>2</sup> .
Drying time:	At least 8 hours at 20°C.

Please note that this service/performance description does not claim to be exhaustive, as this would require a thorough examination of the object. Therefore, no liability can be accepted. If new, previously unknown circumstances arise during the execution of the work, these must be taken into account.

The compatibility, adhesion, and color tone with the substrate must be checked by creating test areas. For information on how to use our products, please refer to the technical data sheets, which can also be downloaded from the Internet at [www.remmers.com](http://www.remmers.com).

# Care instructions

## Cleaning:

The **imi**-beton mat is cleaned as needed, either daily or at longer intervals. Loose dirt can be removed by sweeping, vacuuming, or damp mopping. For heavy soiling with adhering contaminants, a neutral cleaner is added to the mopping water.

## Stain removal:

All stain-forming and aggressive substances must be removed from the imi-beton mat immediately. When treating stains with cleaning agents or stain removers, a material compatibility test must first be carried out on an inconspicuous area or on an unadhesive covering sample. The instructions and regulations of the cleaning agent manufacturers must be observed.

## General information:

Chairs, tables, and furniture legs must be protected with suitable protective glides or pads. As a preventive measure, light-colored, migration-free furniture glides should be used wherever possible. Only use suitable chair and furniture casters in accordance with DIN EN 12529 (type "W" – soft). Chair casters and chair and furniture glides must be maintained regularly. The contact surfaces of chair and furniture glides must lie flat and have rounded edges. Metal glides can corrode in combination with moisture and cause stains. Terracotta or clay flower pots/tubs can cause discoloration on elastic floor coverings. Please use suitable coasters for this purpose.

High point loads with a small contact area, e.g., stiletto heels or high-heeled shoes, can cause irreversible indentations or damage to resilient floor coverings. If necessary, use suitable and sufficiently dimensioned underlays to distribute the load. The slip resistance and safety of floor coverings is significantly influenced by the amount of dirt, the frequency of cleaning, and the cleaning/care products used. Please only use cleaning/care products from one manufacturer that are compatible with each other. Scouring powder, sanitary cleaners, acids, or strong solvents can damage the surface of the flooring or furnishings.

Colored wound and skin disinfectants, hair dyes, and bleaching agents containing peroxide, for example, can cause irreversible discoloration. If you are unsure about the use of chemical, coloring substances, or food, you should first carry out a resistance test on an inconspicuous area of the covering or on an uninstalled piece of covering.

## Disposal:

Private disposal: Like coated furniture parts; can be disposed of with normal household waste/bulky waste.

Commercial disposal: Waste code number AVV 170203

This information has been compiled with great care and to the best of our knowledge and belief. The information is based on practical experience, test results, the results of our own tests, and the state of the art. We accept no liability for printing errors, standard errors, or other errors.

## Important general information:

Before processing, please ensure that the delivered product is in perfect condition. Cut-to-size or laid goods cannot be returned. The relevant national standards and guidelines, technical references, and recognized rules of technology apply to the laying of **imi**-beton mats.

The following guidelines must be observed when laying floor coverings in Germany:

- VOB Part C, DIN 18365 Floor covering work,
- Minimum requirements for screeds DIN 18560 technical rules,
- BEB information sheet: "Assessing and preparing substrates, laying elastic and textile coverings,"
- DIN 18202 "Tolerances in building construction,"
- Sanitary – Heating – Air Conditioning ZV information sheet: "Interface coordination for heated floor constructions."

www. **imi**-beton.com

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Differences between the shown surfaces and the original materials are possible and are due to printing. Our products have colour tolerances related to the production processes with natural products. Differences of any kind such as air inclusions, surface irregularities or shiny spots are natural and no reason for complaint.