

imi-beton
mat

EN

Manual

Installation instruction
Care instruction

As of 16. November 2018

imi
SURFACE DESIGN

Installation instruction/Care instruction

Product description:

The imi-beton mat is a 3 mm bio-mat made of polyurethane with an authentic-looking concrete surface. The imi-beton mat is mainly made from vegetable oils such as rape or castor oil and naturally occurring mineral components such as chalk. The imi-beton mat consists primarily of renewable raw materials and natural fillers - without PVC, plasticizers, solvents and is therefore low of harmful substances!

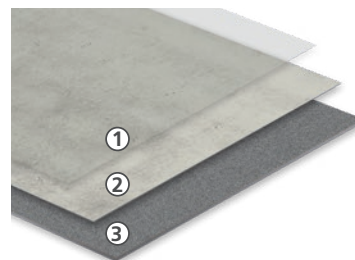
Usage options:

The imi-beton mat can be used for walls, floors and ceilings. Because it is flexible, the mat is also suitable for interior finishing, furniture fronts, shop and exhibition construction and much more. When used as a floor, additional sealing is necessary.

Technical details








Dimensions	small format: 1.000 x 500 mm (with 4-sided Chamfer) large format: 2.600 x 1000 mm (with und without 4-sided chamfer) other formats on request
Product thickness	3 mm
Weight	5,4 kg/m ²

Structure:



1. protective varnish
2. mineral **imi**-coating
3. ecological PU substructure

Classifications:

	Utilization class 23 EN ISO 10874	Heavy-duty use in the domestic area
	Utilization class 31 EN ISO 10874	Medium use in the commercial sector <small>*Higher utilization class possible</small>
	fire class: EN13501-1:2007	C-s1, d0 (comparable with B1 of DIN4102-2)
	light fastness: EN ISO 105-B02 Test specimen contrast: EN 20105-A02	blue scale: ≥ 6 grey scale: ≥ 4
	thermal insulation resistance ISO 8302	~ 0,01 (m ² K)/W
	impact sound reduction EN ISO 10140	~ 4 dB
	dimensional stability EN ISO 23999	~ 0,10 %

Installation instruction

The **imi**-beton mat is a high-quality, elastic polyurethane floor covering in various formats, suitable for walls, floors and ceilings.

Acclimatization:

The **imi**-beton mat and installation aids should be acclimatised at least 24 hours before installation in the rooms to be laid, under the following conditions!

Climatic conditions in the room:

- air temperature in the room > 18°C (but not more than 26°C)
- soil temperature > 15°C (not more than 22°C)
- relative humidity < 65%.

It must be ensured that the room climate conditions remain constant during the acclimatisation and the setting phase of the adhesive. The above mentioned indoor climate must be maintained for at least 72 hours before, during and after the bonding of the flooring.

Requirements on the substrate:

- Sufficient strength, load-bearing capacity, dimensional stability and permanent dryness, free from adhesion-reducing layers such as dust, dirt, oil, grease and loose parts.
- Old floor coverings must be firm, thoroughly cleaned, sanded down and, if necessary, provided with a softener barrier. Perfectly firm, flat adhesive surfaces with functionally adapted absorbency are achieved by means of fillers, layer thickness with vapour-tight coverings, as well as on non-absorbent substrates of at least 2 mm.
- In the wall area, highly absorbent substrates must be primed with a deep substrate.

Installation instruction/Care instruction

Important general information:

Before processing, make sure that the delivered product is in perfect condition, cut or installed goods can no longer be complained about. For the installation of **imi-beton mats**, the relevant national standards and guidelines, technical references as well as the recognised rules of the trade apply. In Germany, the following guidelines in particular must be observed:

- VOB Part C, DIN 18365 Floor covering work,
- Minimum requirements for screeds DIN 18560 technical rules,
- BEB leaflet: „Assessment and preparation of substrates, installation of elastic and textile coverings“,
- DIN 18202 „Tolerances in building construction“,
- Sanitary - Heating - Air conditioning ZV Leaflet: „Interface coordination for heated floor constructions“.

Installation:

The entire area of the **imi-beton mat** must be covered in adhesive. We recommend the use of low-emission and solvent-free dispersion adhesives for absorbent substrates, wet-bed adhesives are preferable. The application quantity varies depending on the type of adhesive and formulation and as specified by the adhesive manufacturer or the notched trowel specified. The guidelines of the adhesive manufacturers must be observed.

Note: In order to achieve an ideal installation and end result, good adhesive wetting of the back of the covering must be ensured. However, to avoid adhesive crushing, no more adhesive than necessary should be used. An adhesive test can be useful. We have approved the following wet adhesives:

Wall:

- Ovalit S und Ovalit P – Metylan
- Emiclassic und Durocol – Schönox
- KE 2000 S – Uzin Utz AG (Blue Angel)
- D 3318 MultiFlex – WAKOL (Blue Angel)
- D 3360 VersaTack – WAKOL
- MS 550 PVC- and rubber adhesive – WAKOL

Floor:

- Durocoll – Schönox
- KE 2000 S – Uzin Utz AG (Blue Angel)
- D 3318 MultiFlex – WAKOL (Blue Angel)
- D 3360 VersaTack – WAKOL
- MS 550 PVC- and rubber adhesive – WAKOL

Absolutely observe:

The **imi-beton mat** must be placed in the adhesive bed after the appropriate airing time, joint tight and stress-free, and then pressed over its entire surface with a suitable rubbing device. A manual pressure roller or a rubbing board is recommended. After bonding, we recommend that the floor covering be evenly rolled with a heavy link roller (min. 50 kg) within the installation time specified by the manufacturer.

In order to maintain the high quality in the floor area, additional sealing is necessary in any case. For this purpose we recommend a 2-component PUR lacquer. Please follow the processing guidelines of the respective manufacturer.

Commissioning / loading of the laid surface should only take place after the adhesive has completely set (observe the instructions of the adhesive manufacturer). Please note that the contractor is obliged to maintain a completed but not yet approved trade (protection of the floor covering against damage by subsequent trades). By partial acceptance, the obligation to maintain the accepted areas passes to the customer.

These references do not claim to be complete. Due to the processing and application conditions beyond our control and the large number of different material constellations with regard to substrate and adhesive, we recommend that you observe the technical data sheets of the respective adhesive manufacturer and carry out your own adhesive tests. A liability for concrete application results can therefore not be derived from the information and references in this leaflet. For technical application questions, further information or advice on individual installation, please send an e-mail to support@imi-beton.com, or visit us on the Internet at www.imi-beton.com

Care instruction

Cleaning:

Clean the **imi-beton mat** on a daily or as needed basis. Loose dirt can be removed by sweeping, vacuuming, wiping or mopping. In case of heavy soiling with adhering impurities, a neutral cleaner is added to the cleaning 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 in an unobtrusive area or on an unadhered covering sample. The instructions and regulations of the detergent manufacturers must be observed.

Installation instruction/Care instruction

General information:

Chair, table and furniture feet must be protected with suitable protective glides or underlays.

As a preventive measure, bright, migration-free furniture glides should be used. Only use suitable chair and furniture castors according to DIN EN 12529 (type „W“- soft). Chair castors and chair and furniture glides must be serviced regularly. The bearing surfaces of chair and furniture glides must be flat and rounded at the edges. Metal glides can corrode in connection with moisture and cause stains. Flower pots/pots made of terracotta or clay can cause discolouration on elastic floor coverings. Please use suitable coasters.

High point loads with small contact area, this also applies e.g. to stiletto heels or high heels, can lead to irreversible impressions or damage to elastic floor coverings. If necessary, use suitable and sufficiently dimensioned supports for load distribution.

The slip resistance and slip resistance of floor coverings is significantly influenced by the dirt ingress, the cleaning frequency and the cleaning/care products used. Please use only compatible cleaning/care products from one manufacturer. Scouring powders, sanitary cleaners, acids or strong solvents can damage the surface of the flooring or furnishings.

Coloured wound and skin disinfectants as well as hair dyes or bleaching agents containing peroxide, for example, can cause irreversible damage. If there is uncertainty in the use of chemical, colouring substances or foodstuffs, a resistance test should first be carried out on an inconspicuous area of the covering or on an unlaidd covering piece.

Disposal:

Private disposal: Like coated furniture parts; possible with normal household waste/ bulky waste.

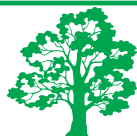
Commercial disposal: Waste code number AVV 170203

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

Information is provided according to our best knowledge. The contents, however, is not legally binding. The user is not released from verifying that the materials are suitable for the intended purpose. Technical changes reserved. The main component of the mineral imi coating is organic so that colour shadings between different lots can not be excluded completely. Samples of these materials only show the general appearance and cannot unite the characteristics like colour, texture and structure. Differences of any kind, as well as air inclusions, are natural and no reason for claim. Low distortion as well as little displacements in the joint area and minor gap formation cannot be fully excluded.



www.blauer-engel.de/uz120



- Recyclable organic concrete mat
- Ecologically harmless
- Without addition of chlorine, plasticizers or solvents

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