

Magnetic Tiles

Timesaving and sustainable: tile laying without glue

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Sustainable building work is not just a matter of choosing an ecological construction method, adhering to a particularly low total energy requirement or ensuring the rigorous selection of materials. It also means taking the whole life cycle of a building into consideration right from the start and, as soon as work on the new build begins, already thinking about recycling the materials employed at a later date.

Magnetically adhesive carpet flooring from ANKER provides an innovative and environmentally friendly solution that, at the same time, takes several of these factors into account. For example, not only can magnetic tiles be laid in less time and without complication, but they also enable this to be done without chemicals or the use of adhesives. Moreover, there's no need for the expensive renovation of the underlying surface if replaced later on, as is the case, for example, with glued carpets. The existing magnetic tiles can simply be removed and replaced with new ones.

The basis for these properties is a heavyweight EVA coating whose filling agent contains a high proportion of ferrite powder. At the end of the production process, this is exposed to a strong, permanent magnetic field, during which the ferrite particles align with one another and take on magnetic properties. In view of how the permanent magnet works, this magnetisation is 'anisotropic'. This means that the magnetic field operates in one direction only – namely, always downwards. Consequently, no magnetic effects can be registered on the upper surface of the carpet or even in the room.

Magnetic tiles can be laid on all substrates that respond to magnetism (e.g. sheet-steel false floor panels, false floor panels/substrates laminated with sheet steel).

Here, the magnetic adhesive force works in such a way that, while the tile can be pulled upwards without effort, sliding it to one side is only possible with the use of major force. This ensures the necessary safety and provides the best possible protection against unintentional slipping.

The advantages of Magnetic Tiles at a glance

- Simple laying process without chemicals or the use of glue on all substrates that respond to magnetism (e.g. sheet-steel false floor panels)
- Just as safe as a glued carpet: reliable grip against sideways movements or unintentional slipping
- Time-saving, uncomplicated renovation: take off old tiles – clean surface – lay new tiles – all done!
- Magnetic tiles are 'anisotropic' – i.e. they're only magnetic on the underside and towards the floor (no magnetic effects on carpet surface or in-room)
- Delivered as 60 x 60 cm tiles

