



FAQs

Answers to frequently asked questions about our products

UNDERLAY MATS

Is there a test certificate for the DURABASE CI decoupling mats?

Yes, the certificate states the maximum possible pressure depending on the pressure load and the deformation of the matting (tested without tiles).

What sort of loading can the CI mats withstand on the basis of the test certificate?

One realistic loading scenario for regular traffic means it can cope with 5000 kg/m² (= 5 tons or 50 kN/m²).

Can DURABASE CI mats be laid on any wooden floor?

It is possible if the wooden floor (e.g. floorboards, chipboard or OSB board) is solid, largely flat (unwarped) and able to be load bearing.

How are CI mats adhered to wooden floors?

The floors should be primed and any bumps should be smoothed out with filler, then after it is dry, the CI mats can be adhered using C2 flexible adhesive covering their entire area. The junctions between mats should be covered over with WP sealing (flexible adhesive).

Can DURABASE CI mats be laid on balconies and patios?

CI mats are well suited to such locations, as they compensate for tensions in the surface beneath (leading to fewer cracks) and also provide full-scale waterproofing.

What is meant by flexible adhesive with a C2 designation?

Flexible adhesives are available in two standardised quality classes called C1 and C2. C2 adhesive has double the adhesion of C1 adhesive. Adhesives of this type are used exclusively when fitting DURABASE CI and DURABASE WP matting.

What needs to be taken into account when laying CI matting outdoors (e.g. on balconies)?

Basically the surface of the mat with the rounded recesses should be fully covered with C2 flexible adhesive before tiles are laid. Practically, tiles can then be laid only on the following day after the adhesive has hardened (although quick-bonding flexible adhesive can be used as an alternative).

Do the junctions between CI mats also require extra sealing when laid outdoors?

Junctions between mats and with walls should be covered with WP sealing tape (C2 flexible adhesive) to prevent damp penetrating underneath the mat and causing damage.

On balconies, how is the junction between CI mats and balcony corner profiles (e.g. BWAC) handled?

Balcony edging profiles should be adhered with the edge slightly overlapping the screed. When the underlay matting is being laid, the CI mats can be butted up to the edge of the profile base and the junctions can then be covered with WP sealing tape (C2 flexible adhesive).

Can DURABASE CI underlay mats be laid on hot screed (underfloor central heating)?

That can be done with no problems since the heat is transferred through the flooring thanks to the convenient heat conduction coefficient and low resistance to the passage of heat that the CI mats possess, which means they present a negligible barrier to heat (max. thermal insulation = 0.15 m K/W).



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Is it possible to build in an extra underfloor heating system (e.g. Electrical Heating) directly on top of CI matting?

Thanks to the relatively low amount of heat emitted by the heating filaments (temperatures max. 36°C approx.) and the CI mats' excellent resistance to high temperatures in the long term (70°C approx.), such auxiliary systems can be fitted with no restrictions. The filaments always need to be embedded in a bed of adhesive that covers their full area for technical reasons related to their heating performance.

Are DURABASE DD mats available in heights of 8 and 12 mm?

The thicker mats allow for more water to be drained through the DD matting (which is important if they are subject to large quantities of water or heavy loading).

What does the abbreviation DD mean for DURABASE mats?

It stands for Double Drain (= double drainage function). The advantage is that any water under the DD matting cannot build up due to the design of the mats' underside, so that water drains away quickly.

How much flexible adhesive is needed to fix WP sealing mats

Using a 4 mm trowel for the adhesive means that about 1.5 kg of flexible adhesive is needed per square meter.

What adhesive should be used to glue WP matting?

A conventional flexible adhesive conforming to DIN EN 12004/C2 (= improved bonding) can be used. It is not necessary to utilise any one product in particular.

How much extra flexible adhesive is needed to fill the recesses on the top side of the CI underlay matting?

About 1.3 kg/m is needed for this (depending on the weight of the specific adhesive).

What is the difference between WPFB and WP sealing tapes?

WPFB sealing tape is made of more elastic materials than WP tape, making it well suited to use in areas where lots of movement may occur (e.g. where the wall meets the floor). For sealing junctions when using DURABASE CI, WP and DD matting, the greater width of the WP tape means that this type is preferred. WP tape is also preferable because of its superior bonding, since the fleece layers on both sides give rise to a larger and better spread adhesive bond.

Does it make technical sense to use DURABASE DD matting with CI matting as well on top of the screed when flooring balconies?

Technically speaking that is of little use, since the use of CI matting also accomplishes the sealing of the area, enough to protect the screed from the effects of moisture. Using DD matting for drainage is therefore superfluous. A salesperson might well advise, however, that such a design makes sense in case of any lack of sealing at junctions between mats and with walls, so that a drainage function is needed to ensure quicker drying of the installation.