

Laying Instructions for Insulating Underlay – EarthWerks DB 22

General notes

DB 22 sound insulating underlay is perfect for laying Dryback design floors (to be glued) without the need for any extra protection layers to prevent residual indentation. Additionally, **DB 22** is also perfect in providing footfall sound reduction under floating floors, and with the high dimensional stability of the fibre-fleece protecting both the click connections and increases the walking comfort.

You can be sure that DB 22 is subject to a careful quality control regime ensuring high quality standards at all times. If the material is however found to be defective, please inform us of any issues before cutting and installing DB 22. No visual defects (for ex differences in thickness or visual defects on the surface) will be accepted after installation.

DB 22 insulating underlay is to be processed according to national standards and must be carried out in full compliance with them; so, for example, for UK British Standard BS 8203:2001 + A1:2009, for Germany VOB/C + DIN 18365/DIN 18299, for France NF P62-203-1-1; NF DTU 53.2 P1-1. The generally recognised rules of the trade and the state of the art apply.

SUBSTRATE PREPARATION

The substrate must be perfectly even, solid, without cracks, dry, clean, and free from materials that would impair adhesion when used in a dry back fully bonded installation. Cement and calcium sulphate screeds must be ground and then vacuumed. Substrates with a weak surface must be removed. Depending on the flooring type, the residual humidity must be within the range of normative regulations, and respectively comply with generally recognised codes of practice. The substrate must be tested according to applicable standards for deficiencies that might affect performance: for example, excess moisture, and these thoroughly reported and assessed for remedial action. The substrate must also be thoroughly vacuumed, and the surface primed and smoothed if necessary. Use only suitable primers and smoothing compounds that are dependent on the substrate and / or application range.

Laying Instructions for Dryback – full surface adhesion

The top layer of LVT to be laid must have an overall thickness of at least 2mm. Lay DB 22 at an angle of 90° to the long side of the floor covering to be installed. When processing the **DB 22**, any and all existing expansion joints on the sub-floor must be followed identically. The short end of the top layer (plank or tile) must be offset at least 30 cm in a transverse direction to the insulating underlay (i.e. not parallel). It is recommended to install the insulating underlay with a double edge cut prior to bonding to ensure a tight bond. Only after the adhesive has completely set (**min. after 24 hours**), then may the installation of the top layer according to manufacturer recommendations may be started.

Laying Instructions for Clic Floating Floors - or other Floating Floor laying methods

Firstly, the laying direction of your Clic floor for floating installation has to be planned. **DB 22** is then laid parallel to the installation direction. **DB 22** is loosely placed on the floor; and the cut pieces are abutted to one another and should be secured against slipping by means of a proprietary adhesive tape. It is important to ensure that the single widths **DB 22** don't overlap.

Cuts are simply made with scissors or a suitable carpet-cutting knife, then you can start installing the top layer according to the top layer manufacturers specifications.

While laying it must be ensured that the running joints of the insulating underlay do not coincide with the running joints of the Clic flooring.

In combination with our Clic flooring, the underlay may also be used on the following subfloors:

PVC, linoleum, rubber or ceramic and stone tiles (maximum joint width 4mm - maximum joint depth 1.5mm.) The old floor covering must be firmly connected to the substrate. Laminate and parquet are only suitable as a substrate to a limited extent; it must be ensured that moisture cannot penetrate into the old flooring, and the manufacturers installation instructions complied with.

Material:	Polyester fibre fleece
Thickness:	1,15 mm
Width:	1 m - Roll length: 15 m
Weight:	approx. 250 g/m ² (4 kg per roll)
Residual indentation properties:	≤0.13 mm - ISO EN 24343-1:2012
Compressive strength (CS value):	400 kPa after CEN / TS 16354 (class CS3)
Fire resistance:	Bfl S1 by glued installation with our GlueDown LVT floor
Thermal resistance:	approx. 0.039 m ² K/W
Impact sound reduction:	with our Clic LVT-flooring – up to 22 dB
(According to EN ISO 10140-1)	with our Glue Down LVT flooring - up to 19 dB

Please note:

The Bfl S1 certificate has been issued in combination with our EarthWerks GlueDown (Dry Back) LVT floor and when used in conjunction with the adhesive Bostik's Best. Certificate issued is from the TFI research institute – Germany, 2016.

The tests of the DB 22 underlayment have all be made according to the EN norms.

We refer to the valid norm EN ISO 10140-1 for the impact sound reduction. The results reflect the measure of the impact sound reduction of the flooring and the underlayment installed together.

The information provided above are based on the current state of knowledge and the State of technical Development. We do not claim tis information to be exhaustive or complete.

Adhesive recommendation:

Supplier	Recommendation for adhering DB 22 to sub-floor	Notch trowel	Recommendation for Glue-Down LVT on to DB 22	Notch trowel
F-Ball	F3 - F44	A2	F44	A2
Stauf	Stauf D20	A2	Stauf D20	A2
Mapei	Ultrabond Eco V4 SP	A2	Ultrabond Eco V4 SP	A2
Uzin	Uzin KE 2000S	A2	Uzin KE 66	A2
Henkel	Thomsit K 188E	A2	Thomsit K 188E	A2
	Thomsit K188 S	A2	Thomsit K188 S	A2
Wakol	Wakol D 3360	B1	Wakol PU 270	A2
	Wakol PU 270	B1	Wakol MS550	A2
	Wakol MS550	B1		
Bostik	Bostik's Best	B1	Bostik's Best	A2
Wulff	Wulff Multi-Coll or Wulff ES 14	B1	Wulff Supra Strong or Wulff ES 14	A2

Equivalent adhesives may be used - please follow the instructions of the respective adhesive supplier.

Additional information

DB 22 is also suitable for the installation under WPC or parquet; however, Earthwerks does not accept any guarantee for third-party products, and the respective manufacturers installation instructions should be observed at all times.

Occupational safety; **DB 22** does not require any special measures.

Disposal; clippings are construction waste

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