

# Designflooring

## Underlay

### Product overview

Single-sided fixation onto most common substrates. The built-in vapour barrier enables installation onto newly constructed subfloors with moisture content to 3% CM or 95% RH, providing a fast track installation.

Designflooring underlay reduces impact sound and walking noise, consists of up to 90% naturally occurring raw materials - an excellent sustainable alternative to traditional permanent fixing.

### Benefits

- Install Designflooring LVT immediately with no waiting times.
- No expansion gaps required when installed.
- Very low VOC allowing work in live environment.
- Built in moisture vapour barrier\*.
- No secondary adhesive required\*\*.
- Installation warranty for life of floorcovering.
- Can be installed on most existing resilient floorcoverings.
- Supplied in easy manageable 8m<sup>2</sup> rolls for convenience.

\* A functioning damp proof membrane must be in place and checked to verify.

\*\* If installing into heavy duty areas, adhere the underlay with adhesive to the subfloor prior to installing LVT. In areas of fluctuating temperatures, a minimum of 2m from the source must be adhered.

	STANDARD	RESULT
 <b>Size</b>	DIN EN 16354:2019-01	8,000 mm x 1,000 mm (± 1,00 mm)
 <b>Thickness</b>	DIN EN 16354:2019-01	2,00 mm (± 0,15 mm)
 <b>Thermal resistance</b>	DIN EN 16354:2019-01 (suit. for water underfloor heating)	0.01 m <sup>2</sup> K/W (~ 0,1 TOG)
 <b>Impact sound reduction</b>	DIN EN 16251-1	15 dB
 <b>Indentation - residual</b>	DIN EN ISO 24343-1	< 0,34 mm
 <b>Reaction to fire</b>	DIN EN 13501-1 (excluding covering)	Bfl-s1 (Pass)
 <b>Dynamic load</b>	DIN EN 16354:2019-01	> 3,000,000 cycles

### Before installation

All materials must be checked to ensure that they're free from defects. Complaints regarding clearly identifiable defects cannot be accepted after installation. Preparation and installation should not begin until all other trades have completed their work.

Acclimatisation at least 24 hours prior to installation, rolls are best stored in an upright position and allowed to condition in the room where the installation is to take place. Room temperature should be kept between 65-85°F\* (18-27°C). If conditions are outside this temperature range, then it is recommended that time for acclimation be increased to 48 hours.

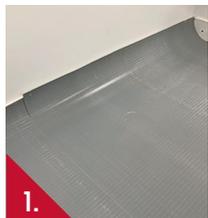
When installing into areas of fluctuation temperatures, the underlay must be adhered to the subfloor using an appropriate adhesive and allowed to fully cure prior to installing LVT. It is not recommended to use this underlay in extreme high solar gain areas and a suitable alternative preparation material should be sourced.

Can be installed on to sand cement screeds, concrete, gypsum, raised access panels, terrazzo, tiled floors\*\*\* and most existing resilient floorcoverings with minimal costly preparation/replacement.

\*\*\* Grout lines greater than 2mm in width and depth must be filled with an appropriate repair compound.

## Installation instructions

**Tools required** - Utility or craft knife, hand roller



### Step 1.

Roll out the underlay in the area ensuring the seams are butted tight without noticeable gaps. Once in place, proceed to cut to fit to the perimeter with a sharp knife. No expansion gap is required but underlay should not run up walls or fixings.



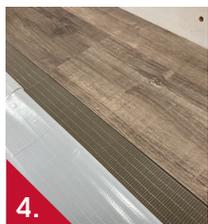
### Step 2.

Mark out the floor finding the appropriate starting point/centre line. Dry lay the planks/tiles from your centre line, ensuring perimeter cuts are equal and not smaller than 50mm from the perimeter. Mark a line nearest the perimeter that is the last full row of planks/tiles.



### Step 3.

Peel the release film from the topside of the underlay half the width of the plank/tile (it is important to do this to allow adjustments until final fix is established). Once happy with the position, press the plank/tile firmly in place, whilst removing the other half of the release film. You should now have the material fully adhered to the underlay. Using a hand roller, apply pressure over the whole plank/tile making sure a good connection is achieved.



### Step 4.

Repeat the process working in small sections at a time until the row is complete. Multiple rows can be installed at once maintaining the above procedure.



### Step 5.

Accurately finishing to perimeter fixings should be done prior to removing the release film and exposing the adhesive. This will allow for final adjustments.

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