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## 1. An underlay for every room

BerryAlloc **underlays** are designed to improve your living comfort and will contribute to a perfect installation of your new laminate floor. Our underlays have the same high quality standards as our laminate floors and are multifunctional:

- They reduce the transit sound by a minimum of 19 dB
- They always have an integrated moisture barrier to keep any seasonal changes in humidity in your subfloor from damaging your laminate. Except for our laminate floor with an attached underlay, this floor requires an installation of a separate moisture barrier.
- They correct very small irregularities in your subfloor so you have a level base to install the floor on. Read the instructions below on how to prepare the subfloor.

General benefit:

- They will protect and help prevent damage to your locking system from damage
- They provide long-term comfort and support for your laminate floor

The BerryAlloc standard **Excellence Go** underlay is a satisfactory universal underlay suitable for domestic use.

**Excellence Impact+** and **Excellence Plus** have extra characteristics to meet specific needs:

**Excellence Impact+** has a high impact resistance, which makes it very strong and suitable for more demanding projects. This underlay has a UPEC certification, so it is suitable for UPEC floor collections. It is a folded underlay, extremely easy to install.

**Excellence Plus** is offered in a roll of 26m<sup>2</sup>, easy to install and ageing resistant. An underlay with very high sound reduction qualities that is perfect for underfloor heating/cooling.

Comparison of the laminate underlay data:

	Excellence Go	Excellence Impact+	Excellence Plus	Pad-attached
m <sup>2</sup>	15/20	12	10	/
Thickness	2mm	3mm	2,5mm	2mm
Corrects unevenness	✓	✓	✓	✓
Moisture barrier	✓	✓	✓	no
Impact sound *1	-19 dB	-19 dB	-21 dB	-19dB
Walking sound *1	**	***	****	***
Compression strength*2	10 kPa	60 kPa	130 kPa	70kPa
Impact resistance*2	***	****	**	***
Floor heating/cooling	***	**	****	***
Easy to install	✓	✓	✓	✓

### \*1 impact sound vs. walking sound:



impact sound



walking sound

**Impact sound** is the sound that reflects through the floor to the room(s) below.

**Walking sound** is the reflection of the sound within the room itself.

### \*2 compression strength vs. impact resistance:



compression strength



impact resistance

**Compression strength** is the resistance of a material to deform under compression.

**Impact resistance** is the ability to absorb the impact of falling objects.

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All underlays are suitable for underfloor heating/cooling, but **Excellence Plus** has the lowest thermal resistance value. More details about installing laminate on top of underfloor heating systems can be found in the installation manual for laminate on underfloor heating/cooling.

The BerryAlloc **Ocean 8 PA & HPF** collections come with an integrated **Silent System underlay** of 2 mm, which functions as an underlay. It will correct small irregularities and has a transit sound reduction value of 18-19 dB.

We strongly recommend to use **BerryAlloc Moisture Barrier** under your floor to protect it against rising moisture. It is a PE-foil of 0.2 mm, a 26 m<sup>2</sup> roll, easy to install and age-resistant.

For more detailed technical specifications and values on the underlays and our moisture barrier, you can download our technical data sheets.

## 2. installing your underlay or moisture barrier

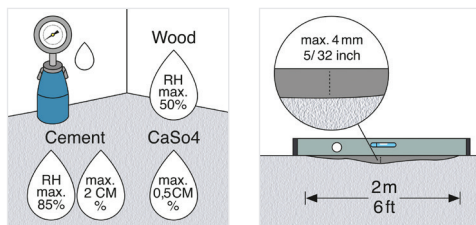
### 2.1 Preparing the subfloor

BerryAlloc laminate can be installed on most hard subfloors, e.g. chip/plasterboards, PVC, or concrete (be sure that the existing subfloor construction is fixed).

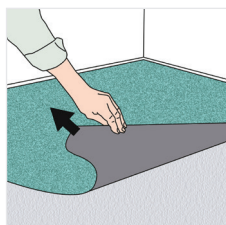
The subfloor must be totally dry:

- Wooden and wood based material, max. 50 % relative humidity
- Concrete and light concrete floor, max. 2,0 CM % (1,8 CM % if floor heating)
- Plaster and plaster based floor, max. 0,5 CM % (0,3 CM % if floor heating)

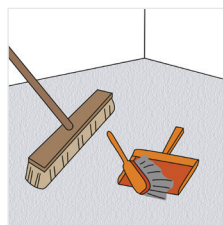
The subfloor has to be even (max. height difference of 4 mm per 2 m), dry and clean. Sharp edges must be equalised and holes filled. This is important because an uneven subfloor can cause squeaking.



Soft material like a wall-to-wall carpet needs to be removed.



Clean up any sand or dirt before installing the underlay.



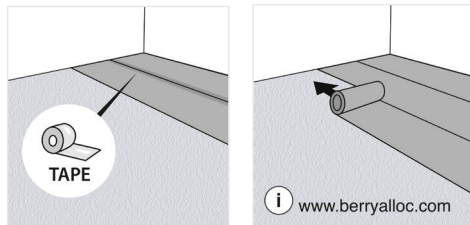
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## 2.2 installation

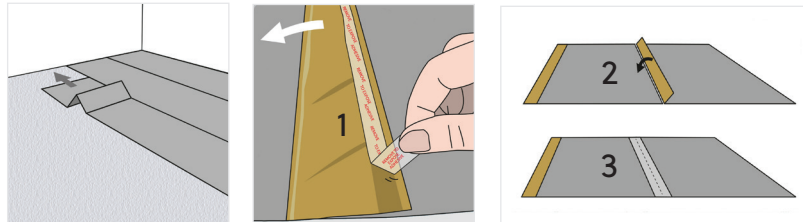
All BerryAlloc underlays have an integrated moisture barrier. Always install the BerryAlloc underlay with the moisture barrier face up. Underlays with an integrated moisture barrier should either be connected by an integrated adhesive strip (included in **Excellence Go** and **Excellence Impact+** underlays) or by a water resistant tape (included in the **Excellence Plus** underlay).

The moisture barrier can only work efficiently if the edges are also sealed, so be mindful when connecting the underlay strips and make sure the seams are properly sealed. Underlays should never overlap.

**Excellence Plus** comes with a separate tape roll to connect the strips of the underlay



**Excellence Go** and **Excellence Impact+** come with an integrated peel-off adhesive strip. Remove the film (1), flip over the lip (2) so that it connects both underlay rows and press to stick (3).



If you use the BerryAlloc moisture barrier separately (PE-film of 0.2 mm), you should always install it with an overlap of min. 20 cm, taped and turned up against the wall. You can cut the foil to size after the flooring installation.

**Remark:** Do not use additional underlay when you install your pad-attached laminate floor.

