

Professional installation with Elastilon

Professional installation of solid wood planks on any level, hard and dry sub-floor such as cement floors, poured asphalt, installation boards (chipboards, OSB boards – at least 22 mm thick) and old planked floors, PVC, linoleum, stone and tile floors – as flooring installation on Elastilon only.

A) Preparation of the sub-floor

Generally, a moisture measurement must be carried out on all mineral sub-floors. The following residual moisture of the cement floors must not be exceeded:

Cement floor	<2.0% CM,
Anhydrite floor	<0.5% CM.

Uneven sub-floors (over 2 mm per running meter) must be levelled out with a levelling compound.

B) Installation

Should you want to install solid wood planks in very large rooms, expansion joints must be placed along the planks from 10 m and across the planks from 6 m. Expansion joints in doorways or in front of raised parts (e.g. steps) are covered with transition and finishing profiles.

Prior to installation on cement or stone floors, a moisture barrier (PE film 0.2 mm) or a vapour barrier (PE film from 1.2 mm, especially on floors without a basement) must be laid out as protection against moisture. The underlay must stand up at least 30 mm at the walls. The joints of the moisture barrier

must overlap by at least 200 mm and be taped to each other. PE film must not be installed on wooden sub-floors. Please make sure that no moisture can affect the new floor by checking the construction of the underlying structure.

The Elastilon mat is unrolled at right angles to the direction of installation of the planks in sheets next to each other with the protective film upwards. At the wall where you begin installation, the protective film on the individual sheets must first be pulled back approx. 40 cm and loosely overlapped/folded back doubly back towards the centre of the room (**Fig. 1**). Now cut off the Elastilon strip exposed with the glue layer (**Fig. 2**), push the sheet again up to the wall and unroll the Elastilon backwards to the opposite wall. Cut it to the required length and begin with the next sheet again as described above. Please make sure that the sheets do not overlap.

Before installation is started, it is required to check whether the walls which finish along the lengths of the planks are straight. If they are not straight, the longitudinal courses of the walls must be transferred to the planks (distance to the wall always 15 mm) and the planks must be re-sawed accordingly.

Measure the room depth, if the width of the last plank is < 5 cm, then distribute the available residual measure evenly among the first and last row of planks. Now you can start installa-

tion.

Now you can begin to lay out the first two rows of planks on the loose overlap (**Fig. 3**). The first row of planks is first fitted into place with the groove towards the wall. The minimum length of the end piece must not be less than 200 mm and the distance between the end joints must not be smaller than 400 mm.

The expansion gap of the first row of planks from the wall (15 mm) is secured with wedge spacers which are removed after installation. The last, sawed to size plank is fitted with an installation iron. The first row of planks is aligned straight and secured on the side along its length with wedge spacers to prevent its slipping.

Start the installation of the second row with the off-cut of the first row. With the aid of a tapping block, the following rows of planks are tapped with their groove into the corresponding tongue of the first plank. After the first two rows are in position with spacers on the doubly folded back protective film, the film below is pulled from underneath the boards (**Fig. 4**).

Attention:
Make sure the film is not pulled off so that the glue layer in front of the second row of planks is exposed.

(If the planks are glued prematurely during insertion, the following planks cannot be tapped tightly into each

other because bits of glue left sticking on, residual foam or the mat folding up can prevent the tight interlocking of the planks).

The two rows now lie tightly in the glue layer of the Elastilon mat.

The rest of installation is carried out as described above. It is possible to lay out one or several rows which are fixed permanently on the Elastilon mat by removing the protective film.

To obtain a tight surface, the planks should be clamped with tensioning belts before gluing them on the Elastilon (**Fig. 5**). Also stretching the elastilon at the same time as pulling the protective film is possible.

It is important to check whether the alignment is straight regularly.

The last row of planks, which is fitted using an installation iron, is tensioned by hand or belts, the protective film is pulled out completely. Now the installation of the floor is finished.

