

Comprehensive installation instructions for performance laminate flooring

wineo performance laminate flooring are high-quality, melamine resin coated floor coverings with an integral sound insulation for use with a contact adhesive on all ready-to-lay substrates. Performance laminate flooring from wineo have an exceptional resistance to dampness due to the Aqua-Stop edge sealing. Further information is available in the technical specifications in our product descriptions.

Important general information

Always store wineo performance laminate flooring in a dry area. The packaging foil is no substitute for a dry storage area and does not provide permanent protection from moisture.

Before starting to work, ensure the delivered product is in perfect condition; complaints cannot be made once the product has been cut or installed.

The relevant national standards and guidelines, technical documents and generally acknowledged rules of the trade apply for the installation of wineo performance laminate flooring.

In Germany, the following particular guidelines must be observed:

- German construction contract procedures (VOB), Part C, DIN 18365 Flooring work
- Minimum requirements for screeds DIN 18560 technical regulations, particularly in Germany the following:
 - Data sheet from BEB (German Federal Association of Screed and Floor Covering): "Beurteilen und Vorbereiten von Untergründen, Verlegen von elastischen und textilen Belägen" (Evaluating and preparing substrates, installing elastic and textile covers, only available in German)
 - DIN 18202 "Tolerances in building construction"
 - Data sheet from the German Sanitation, Heating and Air Conditioning Association: "Schnittstellenkoordination bei beheizten Fußbodenkonstruktionen" (Interface coordination for heated floor constructions, only available in German)

Inspection and duty of notification for the floor layer:

In accordance with VOB Part C DIN 18365 Flooring work, the floor layer must examine the laying surface before installing the floor covering and, if necessary, report any issues. The following can be regarded as issues in accordance with Section 4, paragraph 3 of VOB/B:

- Significant deviations from the angularity or flatness of the substrate as defined in DIN 18202,
- Cracks in the substrate,
- Insufficiently dry substrate in accordance with DIN 18560 (all parts) "Floor screeds in building construction",
- A substrate surface which is not solid enough, too porous or too rough,
- A contaminated substrate surface, e.g. due to oil, wax, lacquers, paint, plaster and mortar residues,
- Incorrect substrate surface elevation with respect to the elevation of adjacent components,
- Unsuitable substrate temperature,
- Unsuitable room temperature,
- Lack of heating protocol for heated floor constructions,
- Lack of insulation strip protrusion,
- Lack of measurement point markings for heated floor constructions,
- Lack of joint plan.

(Source: "Kommentar zur DIN 18365 Bodenbelagsarbeiten" (Commentary to DIN 18365 Flooring work, only available in German))

Underfloor heating:

When laying performance laminate flooring on underfloor heating, EN 1264-2 (Underfloor heating systems and components) must be taken into consideration as well as VOB DIN 18365. The continuous surface temperature may not exceed 27°C.

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Acclimatisation of wineo performance laminate flooring

wineo performance laminate flooring should be left to acclimatise horizontally for at least 24 hours, unopened in stacks of max. 3 boxes, in the areas in which it is to be installed, taking the following requirements into account:

Indoor climate conditions

- Room air temperature > 18°C
- Floor temperature should be at least 15°C and no more than 25°C
- The relative humidity should be between 50 % and a maximum of 65 %.

Substrate condition

The substrate must be level, capable of supporting loads and permanently dry. In accordance with DIN 18202 "Tolerances in building construction - Table 3, line 4", the maximum height tolerance must not exceed 3mm per metre, or for tile edges, 1 mm over 10 cm. Textile floor coverings and needlefelt must be removed. Removing old floor coverings is recommended as a matter of principle. In order to achieve optimum adhesion, we recommend all mineral substrates are pre-treated with a suitable dispersion primer.

Substrates

wineo performance laminate flooring can be installed on all types of screed, on V 100 chipboard and OSB panels; following consultation, they can also be installed on PVC, plastic flooring, and linoleum as well as stone, ceramic and marble floors which have been cleaned thoroughly before installation. **Note:** Existing floor coverings must be checked for suitability (e.g. secure connection to substrate, etc.).

Installation

In order to achieve an ideal installation result with as little material waste as possible, we recommend measuring the corresponding surface and arranging the material format and laying pattern accordingly.

Ensure you have a joint offset of at least 30 cm in order to achieve a visually appealing laying pattern.

Always work from left to right during installation. Ensure the panel tongue sides are facing the wall. Install the panels with the front side facing the main source of light in the room. You can improve the inherent stability of the installed floor by installing long, narrow areas in the longitudinal direction.

Use suitable spacers to ensure that you have a completely consistent expansion joint with a minimum width of 10 mm. You must also ensure you maintain a 10 mm distance to all fixtures in the room such as pipe openings, door frames, etc. The expansion joint must not be covered with silicone, electric cables, or the like. We recommend the dimensions of the first two sets of panels, including the edge distance, are marked with a chalk line on the substrate. Next, start with a whole panel in the second row, remove the protective foil and lay the unit along the marked stop. In order to ensure the unit is laid perpendicular, we recommend the first two rows are completed using the joint offset described above.

Ensure that the tongue and groove end connections overlap perfectly and lock these in place with light pressure. To lay subsequent rows, take the panel left over from the previous row which should be at least 30 cm long and lay it in the lateral groove of the row which is already in place at an angle of approximately 30° and lower it with slight pressure against the previous row. An assembly tool can be used if necessary. Take the next panel and align it at a similar angle of 30° along the length of the panel which is already flat on the floor and guide it up to the end of the panel which has just been laid and lock in place as described above. Use this technique to lay all the remaining rows.

In order to install the final row, measure the distance between the wall and the installed row and transfer to the panel. The last row to be installed should, if possible, correspond to half a panel width.

In residential and other spaces with an interrupted surface area of 150m² the flooring can be installed without a joint; however, the edge distance of approximately 10 mm must be observed. A side length of approximately 12.5 m should not be exceeded. In residences of up to 100 m² living space with several rooms, transition profiles in doorways can be dispensed with if consistent installation is applied. In larger housing units, suitable transition profiles or permanently elastic sprayed cork mass can be used. The joints should be at least 10mm wide. Constructive expansion joints and movement strips in heated screeds between different regulated heating circuits must be accommodated in the surface layer.

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Final tasks

- Remove all spacers.
- Movement strips are to be accommodated with suitable profiles; seal pipe ducts with rosettes or with a suitable filling cord and joint sealant.

If a work stage is complete but has not yet been accepted, please note that the contractor is subject to a duty of care (protecting the floor covering against damage during subsequent stages of work).

If part of the work has been accepted, the duty of care for those areas that have been accepted transfers to the customer.

Chairs, tables and the feet of furniture are to be provided with suitable protective sliders or pads. These are available from, for example, Wagner System GmbH, www.wagner-system.de or magiGLIDE www.magiglide.de. Furniture slides which are as light as possible and which do not migrate should be used to prevent damage.

Only use suitable chair and furniture castors in accordance with DIN EN 12529 (type 'W', soft).

Chair castors and chair or furniture slides should be checked and maintained regularly. The supporting surfaces for the chair or furniture sliders must be level and the corners rounded off. Metal sliders can corrode when exposed to moisture which can cause spotting.

Further information or notes on laying floors yourself is available at:

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or visit our website at: www.wineo.de