

Installation instructions for wineo 500 (Fold-Down)

wineo **500** is a high-quality, multi-layer floor covering with a durable melamine resin surface layer in various formats and looks.

Further information is available in the technical specifications in our product descriptions.

Important general information

Always store wineo **500** in a dry place. The outer packaging/film is not a replacement for a dry storage location and does not offer lasting protection against moisture.

Before starting work, make sure that the delivered goods are in perfect condition. Claims cannot be made against goods that have been cut or installed. Before installing, the goods must be checked for colour and batch uniformity. Only install tiles or planks from the same batch in a room.

The relevant national standards, guidelines and regulations, together with the technical documents and generally acknowledged rules of the trade, apply when installing wineo **500**.

Note: Before installing the floor covering, the flooring installer must raise any concerns arising from their inspection. Particularly in the case of:

- significant unevenness,
- cracks in the substrate,
- insufficiently dry substrate,
- a substrate surface that is not solid enough, too porous or too rough,
- a contaminated substrate surface, e.g. due to oil, wax, lacquers or paint residues,
- incorrect substrate surface elevation with respect to the elevation of adjacent components,
- unsuitable substrate temperature,
- unsuitable room temperature,
- lack of heating protocol in heated floor constructions,
- lack of insulation strip protrusion,
- lack of measurement point markings in heated floor constructions,
- lack of joint plan.

Underfloor heating:

When installing laminate flooring, EN 1264-2 (Floor heating – Systems and components) must be taken into consideration. The surface temperature should not persistently exceed 27°C. If using other underfloor heating systems, we ask that you consult the application technology department of Windmüller GmbH.

Acclimatisation of wineo 500

wineo 500 should be left to acclimatise in the areas where it is to be installed, or in adjacent areas, for at least 24–48 hours before installation, unopened in horizontal stacks of max. 3 boxes, under the following conditions:

Indoor climate conditions

- Air temperature in the room > 18°C (but not more than 26°C)
- Floor temperature min 15°C to max 25°C
- Relative humidity should be between 50% and a maximum of 65%.

Acoustic/impact sound underlay

Depending on the existing subfloor, underlays can have a significant impact on living comfort. Some collections include an integrated impact sound insulating underlay; for all other collections, please use one of the original wineo acoustic/impact sound underlays.

Substrate condition

The substrate must be level, stable and permanently dry. The maximum height tolerance must not exceed 3mm per metre, or, for tile edges, 1 mm over 10cm. Larger height differences may have to be corrected by filling / levelling the entire surface of the floor.

Substrates

wineo **500** can be installed as a floating floor on all types of screeds, existing vibration-free wood flooring, floorboards and chipboard flooring, on PVC, plastic flooring, and linoleum, as well as on stone, ceramic and marble floors. Textile floor coverings and needle punch must be removed. In general, removing old floor coverings is recommended to avoid interactions and complications. We recommend applying a suitable levelling compound to level out unevenness. Please observe the building material suppliers' instructions. Substrates that are not listed require approval from Windmüller GmbH.

Generally, on mineral subfloors, an additional vapour barrier in the form of a PE film with an SD value $\geq 75\text{m}$ is required. The vapour barrier is laid beneath the underlayment. The overlaps must be connected with a suitable sealing tape to create a moisture barrier.

In case of rooms without a cellar, and vaulted ceilings or passages, a suitable structural waterproofing must be provided. This also applies to installations above spaces with particularly high levels of humidity or installations directly onto concrete.

Subsequently, use the impact- and walking-sound-absorbing underlays recommended by Windmüller. The procedure described above should also be used for floor coverings with a laminated insulating underlay. Insulating underlays reduce sound transmission to other rooms and foot traffic noise and thus significantly improve living comfort. The CS (compressive strength) value of insulating underlays should be at least $\geq 90\text{ kPA}$.

Installation

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 it in the longitudinal direction of long, narrow areas.

Always work from left to right in the installation area. Lay the first panel with the tongue side facing the wall and lay all other panels against it. Ensure that the tongue and groove end connections overlap perfectly and lock the Fold-Down connection with light pressure until it snaps into place. To lay subsequent rows, take the panel left over from the previous row (needs to be at least 30cm long), 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. Take the next panel and align it at the same angle of 30° along the length of the panel in the first row that is already on the floor, guide it up to the end of the panel that has just been installed and lock in place as described above. Use this technique to lay all the remaining rows.

To install the final row, measure the distance between the wall and the installed row and transfer this measurement onto the panel. The last row to be installed should, if possible, correspond to half a panel width. Bear in mind the 5mm-wide expansion joint.

In spaces with an uninterrupted surface of 150m^2 , the flooring can be installed without a joint; however, allowance must be made for a double edge distance of approx. 10mm. A side length of approximately 12.50m should not be exceeded. Movement profiles should be used in extremely long, narrow rooms.

Room areas that are interrupted by rising elements (pillars, partitions, doorways and the like) must be separated by expansion joints of at least 10mm around the element. When installing skirting boards, transition profiles or end profiles, make sure never to fasten the boards or profiles to the floor covering.

Important information about completing the installation

- Remove all spacers.
- Seal expansion joints / pipe ducts, etc. with profiles / rosettes or with a suitable filling cord and joint sealant.
- Laminate flooring must never be fixed down. The flooring must be fixed neither to the substrate nor to furniture or other fixed installation parts.

Special features and exceptional situations

- The use of wineo 500 in conservatories and similar rooms with large-scale floor-to-ceiling windows is deemed to be critical, given the extreme fluctuations in room climate. Such use must be separately discussed and approved by Windmüller GmbH.
- When using permanently elastic sealants, first fill the joint areas with a joint sealing cord (see accessories, art. no. 20080300). Next close the joint with silicone compound, so that a two-sided adhesion is created. Joints with permanently elastic seals constitute maintenance joints and must be regularly inspected and checked to make sure they are fit for purpose. If not, they must be renewed.
- To prevent material changes/damage, provide adequate shading when installing in areas exposed to strong sunlight.
- Provide adequately sized “radiant barriers” (e.g. glass or metal floor protection) around fireplaces and tiled stoves. The size varies depending on the heating capacity of the fireplace or tiled stove. Please observe the specifications of your stove manufacturer / chimney sweep here.
- For items of furniture with a high static compressive load, appropriate distribution of the load must be ensured for the weight (e.g. load distribution plates).

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 work stages).

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

Cleaning and care

Please note our detailed cleaning and detergent recommendations at www.wineo.de!

This information is not intended to be exhaustive.

With the publication of these installation instructions (dated 01/2021), all previous versions are no longer valid.