Installation Guide
GLUE DOWN FLEXIBLE LVT

moduleo® design floors

This installation guide gives you a summary of the most important points to consider before, during and after installation. For more detailed written guidance and tutorial videos, we recommend that you click/scan the QR-codes in this guide. If you are unable to check the website or scan the QR-code, please contact your dealer or contact your local Unilin technical services.

TO OBTAIN THE BEST RESULT, THE INSTALLATION GUIDE MUST BE CAREFULLY FOLLOWED BY ALL PARTIES.
LOCAL REGULATIONS AND STANDARDS REGARDING INSTALLATION OR SITE CONDITIONS MUST BE FOLLOWED IF THEY ARE STRICTER.

SUITABILITY, CARE, MAINTENANCE AND WARRANTY GUIDELINES

MAINTENANCE

REPAIR GUIDE

WARRANTY

FLOOR HEATING

- Designed for indoor heated applications, see condition table.
- Not suitable in areas which have a built-in floor drain.
- Not suitable in very humid/dry areas or in areas where the flooring may occasionally be exposed to extremely high or low temperatures (such as but not limited to solariums, seasonal porches, saunas, non-heated rooms, pool areas and shower floors, etc.).
- Floating installation (on Moduleo self adhesive underlay) is not suitable for areas subject to excessive moisture or water (i.e. wet rooms, showers, etc.).
- A floating installation should remain floating! Never fix/block/permanently load a floating floor! (e.g. do not install kitchen, built-in closets, heavy stoves, fixed objects,... on top of the floor)
- Boxes should be stored and transported flat, in neat stacks. Never store them upright.
- For maintenance instructions: click/scan the Maintenance QR code.
- Preventive measures:
  - Install a proper doormat at all external entrances;
  - Contact with rubber may cause discoloration;
  - Keep the furniture legs always equipped with soft and clean protective pads;
  - Use soft castor wheels (type W according to EN 12529) and/or a suitable protective mat;
  - Never drag items over the floor, but always lift them.
- Remove spills immediately.
- In case of damage, click/scan the Repair guide QR-code.
- Sunlight might affect the original color. This may lead to color fading and color changes.
- Temperature variations can cause open joints, see warranty.
- For more information about the warranty (residential and commercial applications): click/scan the Warranty QR-code.
- In case of floor heating /cooling: click/scan the Floorheating QR-code.

CONDITIONS TABLE	AMBIENT ROOM- AND FLOOR TEMPERATURE
Storage & transport	0-35°C I no damp areas
Acclimatization + during installation Floating installation: 48 hours before, during, until 24 hours after installation. Glued installation:48 hours before, during, until adhesive is fully cured.	18-25°C *
Usage	Glued: > 0°C Moduleo self adhesive underlay: 15-35°C

In case of floor heating/cooling, see floorheating instructions.
(*) If glue requirements are more strict, follow these ones too.

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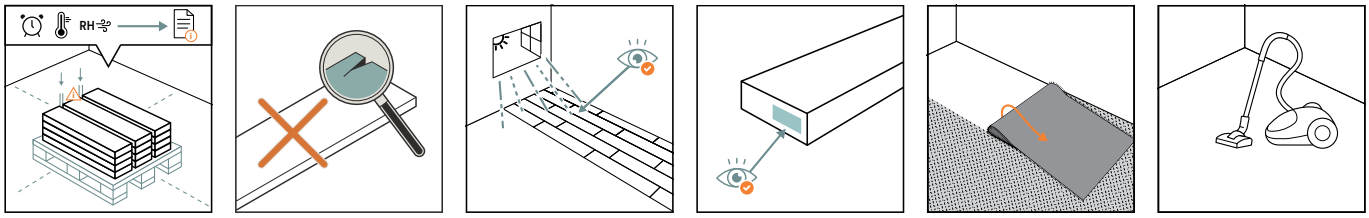
PREPARATION



UNDERLAY

SUBFLOOR GUIDANCE

UNDERCUTTING DOORFRAME

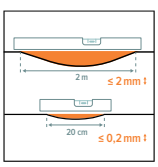
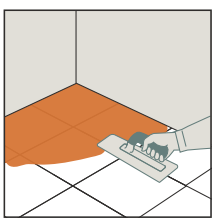
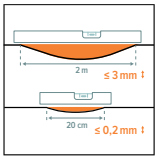
GLUE

- Acclimatize the unopened boxes on a flat surface in the area of installation or one with equivalent conditions, see conditions table
- An installed panel/floor is considered as an accepted panel/floor! Ensure that the materials codes and appearance match the selected/ordered floor and always check the product for:
  - damage or defect;
  - appearance in optimal light conditions (e.g. colours, gloss variation).
- Keep at least:
  - one box-label;
  - your purchase receipt;
  - photo of all codes on the underside of 1 panel.
- Use materials from 1 single “Batch” (see box label).
- We highly recommend to keep some spare panels for replacements in case of damage to the floor during its lifetime.
- All works that have influences on the RH% in the room (e.g. plasterworks) should be completed and dried out beforehand.
- The type of subfloor, its quality and its preparation significantly affect the final result.
- For detailed subfloor guidance: click/scan the Subfloor guidance QR-code.
- Remove existing and/or too soft floorcoverings (like carpet, needle felt, cushion vinyl, ...). Floating floor coverings must also be removed.
- The subfloor must be solid, self-supporting, stable, structurally sound, flat, clean and permanently dry, as well as being free from irregularities or defects and fit for the purpose intended.
- Moisture content of the subfloor (if the subfloor moisture content exceeds the recommended levels, consult subfloor material manufacturers for suitable damp proofing and preparation):

SUBFLOOR	UNHEATED	HEATED*
Cement	< 2.5CM% - 75% RH	< 1.5CM% - 65% RH
Anhydrite (Calcium sulphate)	< 0.5CM% - 75% RH	< 0.3CM% - 65% RH
Wood based	< 10%MC (moisture content)	

*Start the floor heating at least two weeks before laying your Moduleo floor, see Unilin floor heating instruction and floor heating instruction of the manufacturer.

- Flatness of the subfloor:
  - Imperfections in the subfloor will show through the installed flooring and must be prepared accordingly to reduce the aesthetic impact on the finished floor. The suitability of the subfloor is the responsibility of the installer.

METHOD	IRREGULARITIES	TILE/GROUT JOINTS
Method A: glued		
Method B: Moduleo self adhesive underlay		

- If irregularities exceed these limits, sand the surface and/or use a smoothing compound.

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- Monitor and keep records of your measurements (e.g. subfloor moisture content, RH, temperature readings,...).
- Required tools: ruler, pencil, square, cut resistant safety gloves and goggles, string/chalk line, Moduleo vinyl cutter knife, a roller of minimum 50 kg.
  Method A (glue down) installation: + A2 Moduleo glue trowel.
- Undercutting doorframe: click/scan Undercutting doorframe QR code.

GENERAL INSTALLATION RULES

- The temperature will influence the properties of the material, see conditions table.
- Transfer the subfloor joints to the surface of the floorcovering when you have a risk of movement of the subfloor.
- Maintain the correct expansion gap:

TYPE OF INSTALLATION	INSTALLATION SIZE	EXPANSION GAP REQUIRED
Method A: glued	No limitations	Tension free (1 to 2 mm)
Method B: Moduleo self adhesive underlay		

- The base of the doorframe must not create a fix point to the floor.

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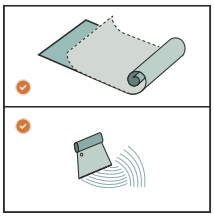
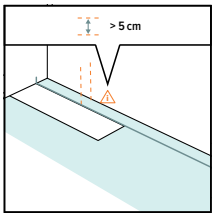
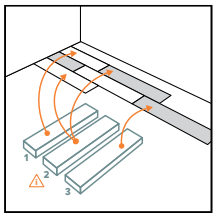
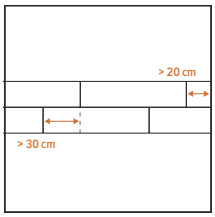
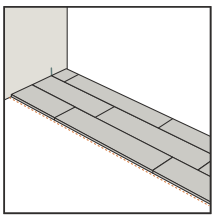
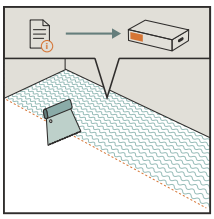
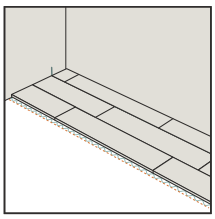
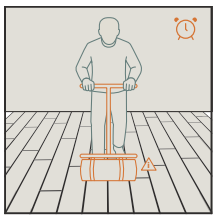
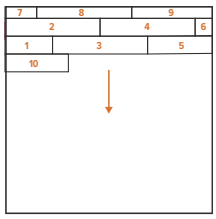
HOW TO INSTALL?

1. Choose the floor direction.
2. Method A (glue down) installation: We recommend using our Moduleo vinyl glue. In combination with our Moduleo vinyl glue, use the A2 Moduleo glue trowel.
   Method B (floating) installation: Install your Moduleo self adhesive underlay perpendicularly to the length of the panels. Avoid aligned joints of the LVT directly on joints of the Moduleo self adhesive underlay. Only remove sufficient foil as required to install a line of LVT. You can find more information about how to install your Moduleo underlay on the technical data sheet of the underlay or at your dealer.
3. Check how many full rows of panels you will need by dividing the width of the room by the width of a panel.
   For pattern floors, just calculate the middle of the room.
4. Mark reference points on the wall where you'll be laying your first full row (row #2). The width of the first and last row should be at least 5 cm.
   Mark a reference line on the subfloor / Moduleo self adhesive underlay between the reference points on the wall.
5. Unpack your panels from multiple boxes and mix them up to avoid adjacent identical patterns and colours.
   When arrows are marked on the back of the panel, keep them oriented in the same direction during mixing and installing.
6. We recommend a random installation for plank designs.
7. The length of the first and last panel of a row should be more than 20 cm. Make sure to alternate your alignment so that end joints of panels in adjacent rows are never in line. There must be at least 30 cm between them.
   For glue down installation this rule is less critical, but for aesthetic reasons we recommend to follow this rule.
8. To obtain a clean cut of the panel, the top layer of the panel must be upwards when you use a vinyl cutting knife. You do not need to completely cut through the vinyl, score the surface only. Then break off the panel by using both hands.
9. Method A (glue down) installation:

- Install the first 2 rows (rows #2 and #3) away from the wall (as walls are hardly ever perfectly straight) without glue and cut end pieces to required size.
  Align your rows to the reference points on the wall and the reference line on the subfloor.
  When installing your row (row #1) against the wall, be sure that you will cut the panel in order to follow the shape of the wall. Draw a line along the room side edge of the dry fitted rows on the subfloor.
- Remove the dry fitted panels and spread the glue for the first 3 rows. Always respect the humidity, air temperature and subfloor temperature in general + waiting and open time of the glue.
- Place the vinyl panels direct in the correct position and push down to ensure good adhesive transfer.
- Remove all glue residue immediately with a suitable cloth. Never use detergents.
- Panels must be rolled with a heavy roller (50kg) after being placed in the glue, not later than after time required in the glue installation instruction (mostly 30 min).
- You can proceed with the rest of the installation by respecting the waiting, open and rolling time of the adhesive.
- Avoid loading or walking on the floor until the adhesive has fully cured.

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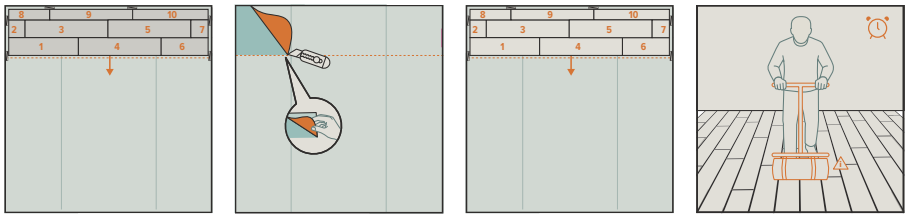
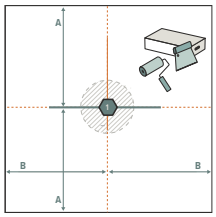
10. Method B (floating) installation:



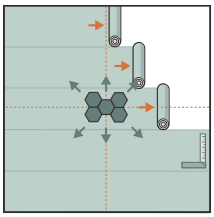
- Install the first 2 rows (rows #2 and #3) on top of the foil of the Moduleo self adhesive underlay, along your previously marked reference line, away from the wall (as walls are hardly ever perfectly straight) and cut end pieces to required size.
  When installing your row (row #1) against the wall, be sure that you will cut the panel in order to follow the shape of the wall.
- Use a similar laying method as for an installation with adhesive, but instead of applying the adhesive in zones on the subfloor, remove the release foil in zones till the reference line from the Moduleo self adhesive underlay.
- You can replace and/or reposition an installed panel as long as the bonding strength allows it.
- You can proceed with the rest of the installation.
- Panels must be rolled with a heavy roller (50kg) after being placed.

EXTRA NOTIFICATION FOR PATTERN FLOORS:

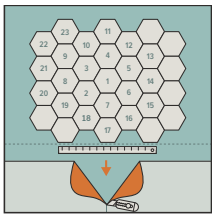
GLUE DOWN INSTALLATION



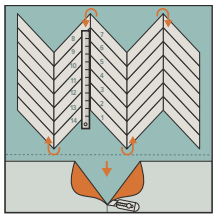
MODULEO SELF ADHESIVE INSTALLATION



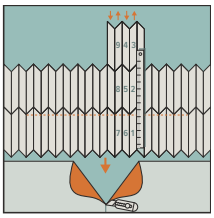
HEXAGON



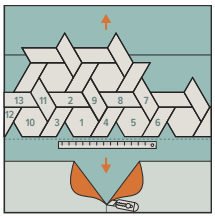
CHEVRON



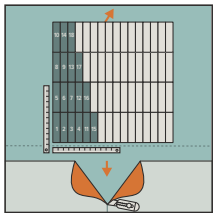
ARROW

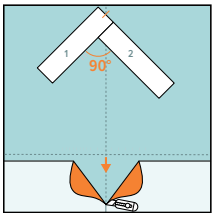


WICKER

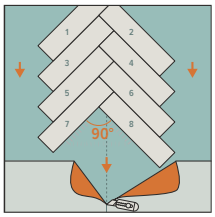


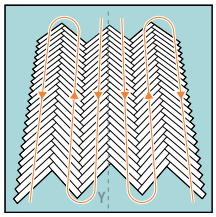
RECTANGLE



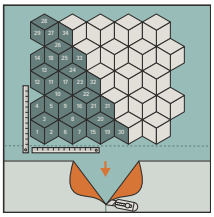


HERRINGBONE

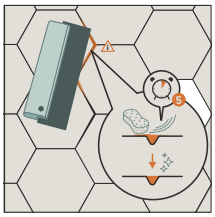




DIAMOND



JOINT SEALANT



FINISHING

STANDARD:
- Attach the skirtings to the wall (never to the floor).
- Do not fill expansion gaps except for method A.

For more information about the finishing and the use of the accessories: check the technical data sheet of the accessories, click/scan the Finishing accessories QR-code.

RE-USE / RECYCLING

CIRCULAR FLOORING

- Deliver installation waste or a disassembled floor to a recognized waste collection facility or recycling point.
- For more information about our “RECOVER” program or packaging waste handling, click/scan the Circular flooring QR-code.
- The Moduleo packaging is composed of multiple recyclable components. Please check your local or national regulations to optimize this waste sorting and handling.

Last but not least, enjoy your high-quality floor!