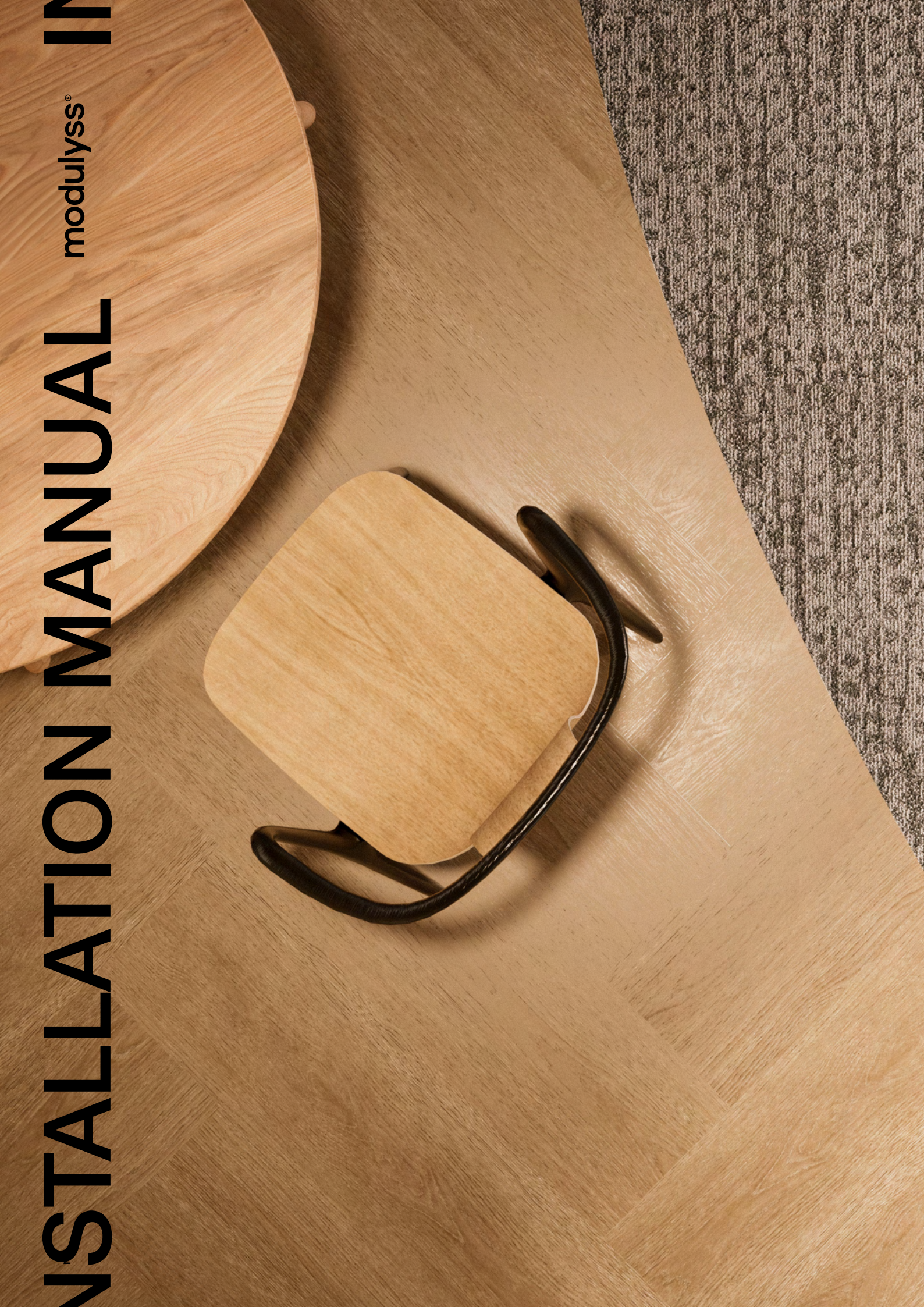


modulyss®

**INSTALLING
LOOSE LAY LVT**



INSTALLATION

CONTENT

01 PRIOR TO INSTALLATION	4
02 SUITABLE SUBFLOORS	5
03 ADHENSIVES SELECTION	8
04 INSTALLATION	9
05 PROTECTION & OPEN TO TRAFFIC	10
06 CLEANING AFTER INSTALLATION	11
07 WARRANTY	12
08 TOOLS & EQUIPMENT	13

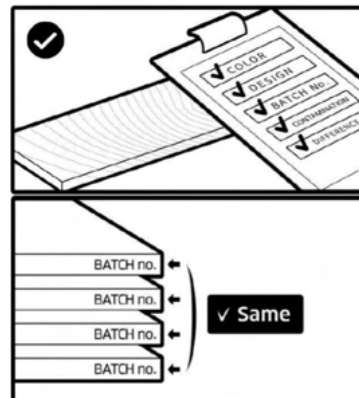
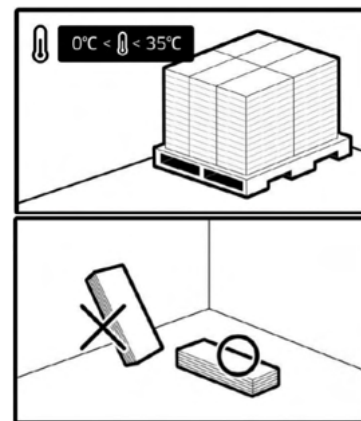
01 PRIOR TO INSTALLATION

Our Loose Lay LVT, a flooring solution for interiors, is recommended to be installed with a water based tackifier. The installation must be compliant with the regional legislation and requirements.

STORAGE

The LVT must be stored on a flat surface in a dry and ventilated area. Do not store it in a very cold (less than 0°C), very warm (more than 35°C) or humid area.

In any case, store the boxes laying down flat, not standing up or leaning against the wall.



INSPECTION

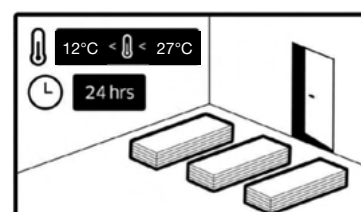
Although great care and rigor are involved in the production and quality control of our flooring, we recommend to conduct a visual inspection of the goods before installation, including checking the colour, design, batch number, and reference number. If you notice a visual defect, do not install the defected products. In case of a problem, contact modulyss to obtain more information on how to move forward.

We also recommend to install the flooring from the same batch in the same area.

ACCLIMATISATION

Store the LVT minimum **24 hours** before installation in an area, ideally where the installation has to be done, that's dry and ventilated with temperature conditions between **12°C - 27°C**.

The same temperature requirements are recommended for adhesives (see manufacturer recommendation).



02 SUITABLE SUBFLOORS

The installation of our LVT must be compliant with regional standards or norms. The subfloor analysis is under installer responsibility. We cannot be considered responsible for damage to the flooring solution due to not suitable subfloor.

Prior to any installation operations, we recommend to check the subfloors' quality. The most important parameters are levelness of the subfloor and residual moisture content, other parameters must also be checked.

Be aware that any irregularities in the subfloor will be visible in the final flooring surface. Where required, use a smoothing and levelling compound suitable for heavy traffic.

GENERAL INFORMATION ABOUT MOISTURE CONTENT

Unheated cementitious screed: < 2.0% CM / <75% RH (EU/UK test method)

Underfloor heated cementitious screed: < 1.8% CM / 75% RH (EU/UK test method)

Unheated anhydrite screed: < 0.5% CM

Underfloor heated anhydrite screed: < 0.3% CM

NOTE

Regional requirements could be different. Please check your national requirements before installation.

Following table gives information about modulyss’ requirements for subfloor acceptance:

SUBFLOOR CATEGORY	SUITABLE FOR INSTALLATION	
CONCRETE OR CEMENTITIOUS SCREED	YES	maximum unevenness variation 2mm on 2 linear meters & 1mm on 20cm. Check the residual moisture level of subfloor (see § moisture content).
ANHYDRITE SCREED	YES	maximum unevenness variation 2mm on 2 linear meters & 1mm on 20cm. Check the residual moisture level of subfloor (see § moisture content).
CERAMICS TILES, STONE, MARBLE	YES	Maximum size on joints: 4mm width / 3 mm deep / 0mm height difference between tiles.
RAISED ACCESS FLOORS	YES	Should be smooth, level and clean. Uneven or loose panels should be levelled and fixed.
COMPACT FLOORCOVERING (HETEROGENEOUS, HOMOGENEOUS, LINOLEUM)	-	Covering another floorcovering is not recommended. Please contact modulyss’ Technical Department.
WATER BASED UNDERFLOOR HEATING SYSTEM	YES	If the system is qualified with a maximum temperature of 27°C on the original subfloor.
UNDERFLOOR COOLING SYSTEM	YES	If the system is qualified with a maximum temperature of 27°C on the original subfloor. (Maximum 5°C difference between ambient temperature and cooling system to avoid condensation.)
ELECTRICAL INFRARED UNDERFLOOR	NO	INSTALLATION PROHIBITED
FLOOR PAINTING	YES	Damaged areas need to be repaired. Surface should be solid, smooth and level. Seek technical advice in case of doubt.
FLOOR RESIN	YES	Damaged areas need to be repaired. Surface should be solid, smooth and level. Seek technical advice in case of doubt.
FLOATING LAMINATE	NO	Remove existing floors before installation.
FLOATING PARQUET	NO	Remove existing floors before installation.
FLOATING LVT	NO	Remove existing floors before installation.
TEXTILE FLOORS (CARPET TILES, NEEDLEFELT...)	NO	Remove existing floors before installation.
NATURAL FLOORS	NO	Remove existing floors before installation.
ADDITIONAL UNDERLAY	NO	Remove existing floors before installation.
ASBESTOS TILES	NO	Remove existing floors before installation.
OUTSIDE	NO	INSTALLATION PROHIBITED



If the installation is done on direct-to-earth subfloor or stones, a DPM (Damp Proof Membrane) system must be installed to guarantee the subfloor’s quality. Regional rules must be respected regarding the DPM technical requirements. An overview of recommended solutions and their manufacturers can be provided by modulyss’ Technical Department.

For any other subfloors not mentioned in this document, please contact our Technical Department.

Our LVT is suitable for water based underfloor heating systems with a maximal operating temperature of 27°C. Before and during installation, the underfloor heating system needs to be switched off for a minimum of 48 hours before the start of installation, during installation and 24 hours after the end of installation. After the adhesive has dried, the temperature can be increased gradually: 5°C per 24 hours to reach the standard operating conditions.

Before installation the subfloor must be cleaned by vacuum cleaner and a damp mop to remove dust, contamination and/or foreign substances that might disturb proper installation.



03 ADHESIVES SELECTION

We recommend using eco-friendly adhesives that are safe and non-toxic to the installer and the environment. It's best to select a tackifier with an EC1 Plus-label (lowest possible VOC emissions). Solvent based adhesives are prohibited, using these adhesives can have negative effects on the performance of the floor covering. We are not responsible for damage due to the use of not suitable adhesives.

It's best to use an acrylic based adhesive specialised for Loose Lay LVT. Below is an overview of some recommended tackifiers:

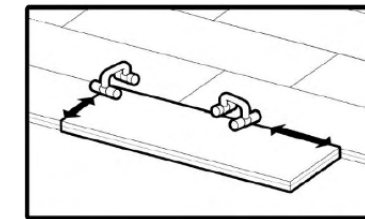
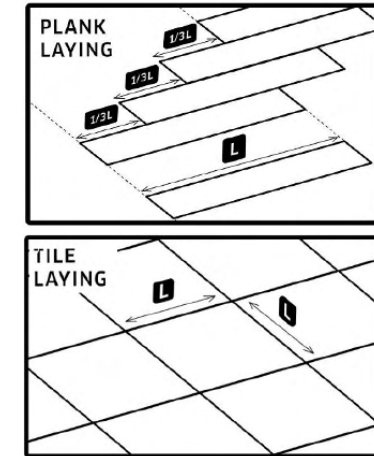
FBALL	Styccobond F41
ARDEX	Ardex AF 825
UZIN	U3000 Roll Fix
MAPEI	Ultrabond Eco Fix

Note: Adhesives usage must be done in accordance with manufacturer recommendations. Where needed, use a suitable primer.



04 INSTALLATION

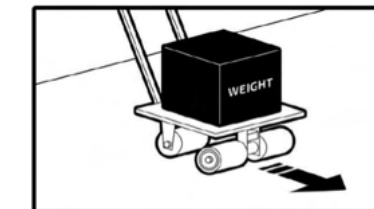
- 01 Check our Loose Lay LVT Technical Datasheet to see the recommended installation methods.
- 02 Determine the installation direction. Calculate the partition of planks or tiles across the width of the room or area and mark a line on the floor.
- 03 Highlight the second line to create the section (for example, 3 rows wide) that will be glued with the correct type of tackifier. Before using the tackifier, read the manufacturer's instructions.



- 04 Spread the appropriate amount of tackifier evenly over the subfloor and let it tack-off (open time) until it reaches its optimal bonding strength. For more information, consult the manufacturer's recommendations.
- 05 Lay the planks or tiles into the tacked-off adhesive to transfer the tackifier fully onto the backing (working time).

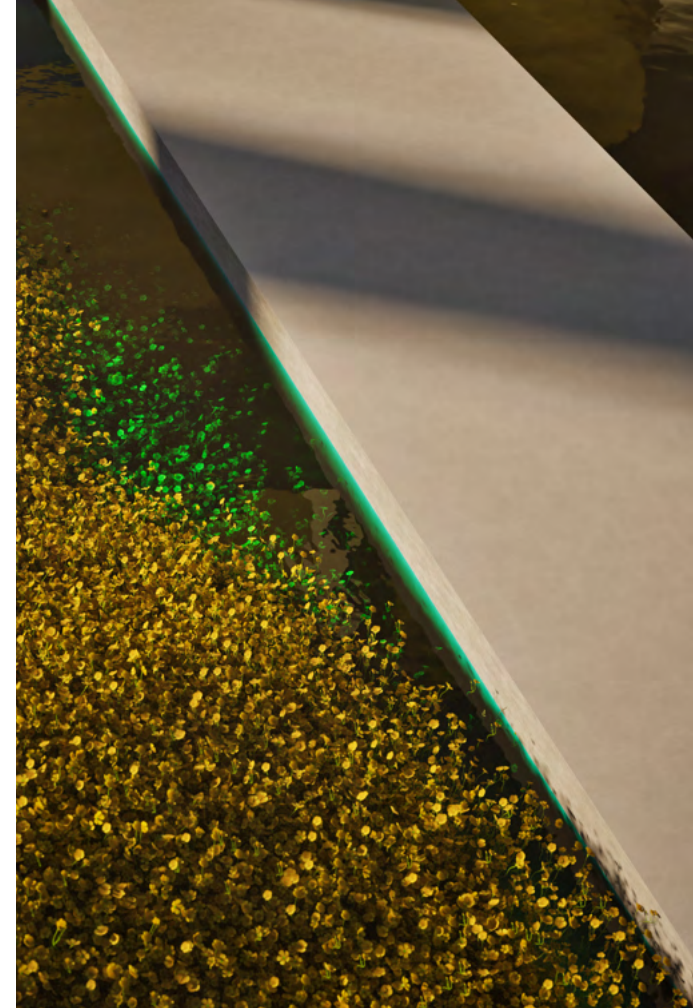
Note: To avoid gloss differences, look at the arrows marked on the back of the tiles and planks.
- 06 Cut the planks or tiles, free of tension, against the wall, existing skirtings, or potential blocking points, ideally with a 2mm dilation gap.

- 07 To ensure full contact with the tackifier, immediately press each plank or tile with a rubbing block or hand roller.
- 08 Immediately roll each section with a flooring roller weighing at least 50kg. Roll several times in different directions during the adhesive's working time.
- 09 Clean up adhesive stains with a damp cloth.



05 PROTECTION AND OPEN TO TRAFFIC

The LVT flooring should be protected from heavy traffic for 24 hours to ensure optimal adhesive stabilization. Light pedestrian traffic is permissible during this period. All other operations, such as furniture installation, should be postponed for 24 hours.



- 01** Before exposing the area to traffic, we recommend performing a dry-cleaning operation (vacuuming and removing adhesive stains). When the area is fully operational, we recommend proceeding to a full cleaning with a pH-neutral detergent.
- 02** To keep the initial aspect and performances of your LVT floor, we recommend establishing a proper cleaning process that aligns with the traffic levels in the area.
- 03** During furniture installation or movements, we recommend protecting the floor and equipping the furniture legs with adapted pads.

06 CLEANING AFTER INSTALLATION

- 04** If the LVT floor is installed in front of doors that lead to outside, we recommend installing an entrance mat.
- 05** Keep in mind that rubber should not be in direct contact with the LVT flooring as this could cause discoloration.
- 06** For additional information or advice on cleaning and protection, see modulyss' LVT cleaning guidelines.



07 WARRANTY

TRIAL INSTALLATION

Before proceeding with installation, up to 100 m² can be installed for assessment purposes. If any party identifies deviations from the original specifications or discovers manufacturing defects, modulyss must be notified before further installation of the LVT flooring.

15-YEAR WARRANTY

To reach the best results, the LVT flooring must be installed properly and cleaned regularly to ensure the 15-year warranty remains valid. The flooring solution must be installed according to our Loose Lay LVT installation instructions, and cleaned and maintained according to our LVT cleaning recommendations (*).

If a claim is made against the warranty, a check will be carried out to ensure the LVT flooring has been installed and cleaned in accordance with our instructions. We cannot be held accountable for errors resulting from improper installation and/or cleaning and maintenance, which will result in the forfeiture of the 15-year warranty.

(*) You can download the latest version of the Loose Lay LVT installation instructions and cleaning recommendations from the modulyss website.

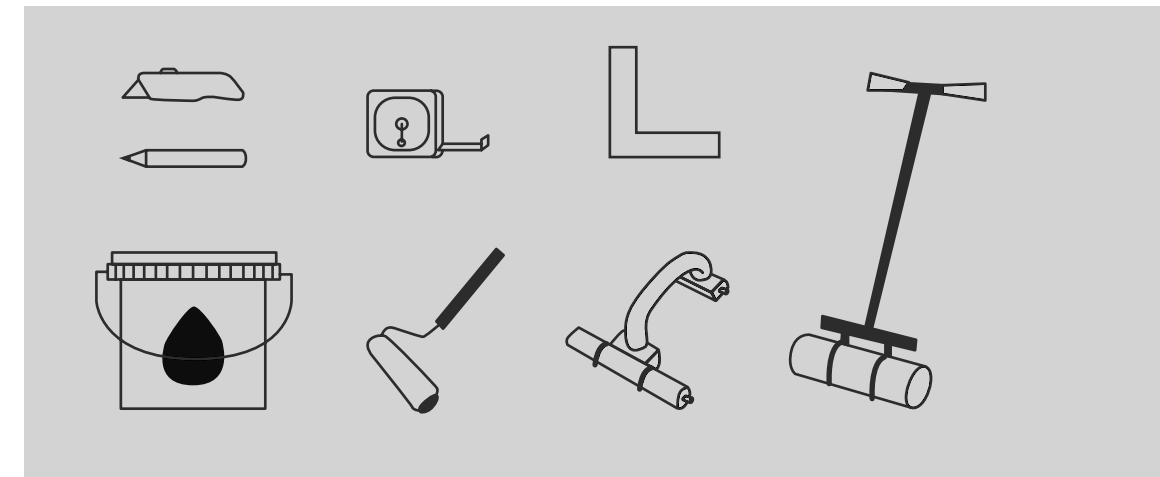
More information about the warranty conditions of modulyss Loose Lay LVT is available upon request.



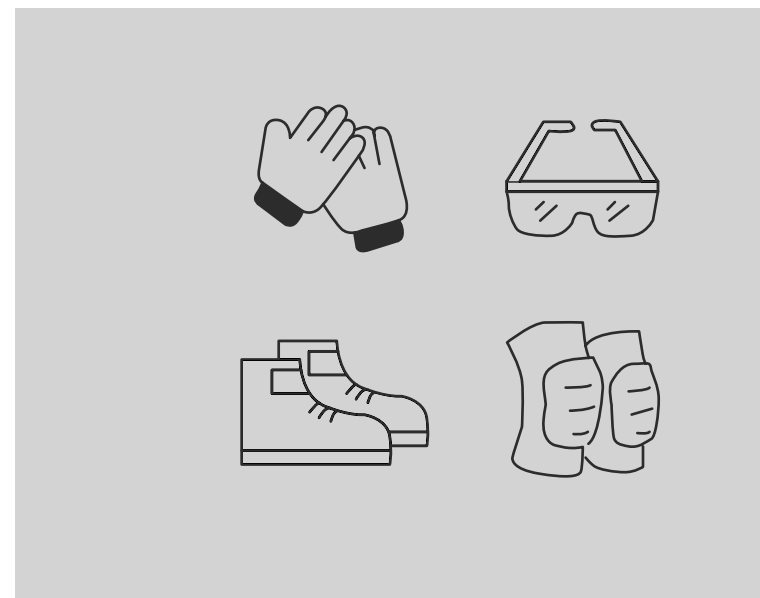
08 TOOLS AND PERSONAL PROTECTIVE EQUIPMENT

It's recommended to always use professional tools and to wear personal protective equipment during installation.

TOOLS



PROTECTIVE EQUIPMENT



modulyss®