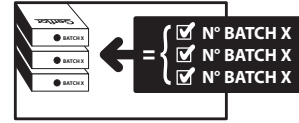


All floor and wall coverings should be examined prior to installation for any visible defects. If there are any visible defects, please notify GERFLOR and do not begin installation without its prior approval.



For any information on product properties and usages, please refer to its technical datasheet: www.gerflor.com

1. AREAS OF APPLICATION

LAYING CONDITIONS	Floor covering installed in temperature-regulated premises. Temperature between 15 and 26°C.
AMBIENT USAGE TEMPERATURE	Acceptable temperature range after installation: 20°C (ex. : + 10° to + 30°C).
IN FRONT OF OR UNDER GLAZED AREAS	Laying is allowed as long as the ambient temperature is regulated. In order to prevent the floor temperature from reaching excessive values (60 °C or above), direct sunlight on the floor should be obscured by curtains, blinds or other suitable protection. Otherwise, maintain the covering with a suitable adhesive, such as two-part polyurethane (PU) adhesive or hybrid adhesive (Paragraph 5: Gluing)

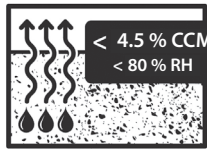
SUBSTRATES	
TILES	The floor surface must not have any uneven areas, and the joints must not be recessed, otherwise fill them with a levelling compound to eliminate any irregularities.
CONCRETE FLOOR, PAINTED CONCRETE, LEVELLING CONCRETE, TOPPING, LIQUID CEMENT SCREEDS	Closely follow the instructions for preparing the substrate before gluing the planks or tiles. See section 2.2
PVC TILES AND COMPACT ROLLS	If the substrate requirements are met and more than 90% of the room's surface area is in good condition, remove the defective tiles, fill the gaps with levelling compound and lay the planks/tiles after the substrate has dried. Otherwise, the entire flooring will have to be taken up and the substrate prepared from scratch.
PVC ROLLS OR TILES WITH BACKING FOAM	Not recommended as there is a high risk of indentation.
TEXTILE FLOORING (CARPET)	Not allowed
LAYING ON VINYL ASBESTOS TILES	Not allowed
WOOD-BASED PANELS FLOORING (DTU 51.) ON JOISTS OR ON BATTEENS	Allowed
GLUED PARQUET	Not allowed
PARQUET NAILED ONTO BATTENS SPACED NO MORE THAN 0.30 M APART, WITH VENTILATION OF THE INSIDE FACING	Complete removal or lining boards
FLOATING PARQUET OR PANEL	Not allowed
LAMINATED FLOOR	Not allowed
OSB BOARD	Complete removal or lining boards
UNDERFLOOR HEATING	
UNDERFLOOR HEATING WITH CIRCULATING HOT WATER AT	Possible
RADIANT ELECTRIC UNDERFLOOR HEATING THE REGULATIONS REQUIRE $\leq 0,15 \text{ M}^2 \times \text{° KELVIN} / \text{WATT}$	Possible
LOW TEMPERATURE WATER REVERSIBLE UNDERFLOOR HEATING	Possible
Please contact us if the substrate is not in this list.	

2. SUBSTRATES PREPARATION

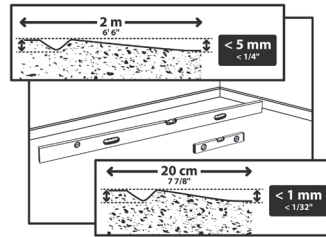
2.1. SUBSTRATE REQUIREMENTS



The flooring must be laid on a flat, clean, sound, dry and solid substrate.



The moisture content must not exceed 4.5%, 80% RH with a carbide bomb test (Carbide Moisture test) and 0,5% for anhydrite screed.



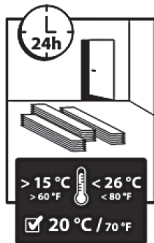
- The evenness must be < 5 mm under a 2-metre straight edge.
- The substrate must have no unevenness > 1 mm / 20 cm.
- The substrate should be smooth and dust-free.

2.2. PREPARATORY WORK ON NEW CONCRETE SUBSTRATES

The surfaces should be prepared with care so as to remove any soiling, laitance, curing compounds or any other foreign bodies. If the substrate does not meet the requirements, a prior substrate preparation must be carried out:

- **Substrate moisture content < 4.5% CCM / 80% RH:** Use a self levelling compound in accordance with your local standards.
- **Substrate moisture content between 4.5 - 7% CCM and or 80% -92% RH:** we recommend applying a rising damp treatment before you apply a levelling compound.
- **Localised levelling:** a suitable mortar may be used in localised areas which do not meet the requirements in terms of evenness and surface finish.
- **Crack treatment:** treat cracks before applying a levelling compound if the uneven area is > 1 mm or there is a gap > 1 mm.
- **Joints treatment:**
 - Contraction joints: treat joints before applying a levelling compound if the unevenness is > 1 mm or there is a gap > 4 mm.
 - Construction joints: similar to cracks, same treatment.

3. LAYING CONDITIONS



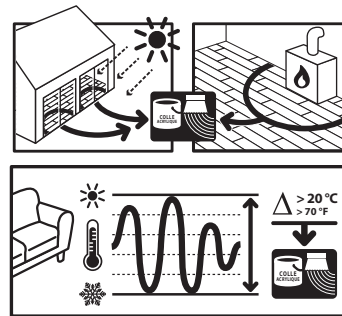
To lay tiles and planks, the site laying conditions must be respected as follows: The ideal ambient temperature for installation must be between 15 and 26°C for 24 hours before, and 24 hours after, laying. The planks or tiles must be stored in the same conditions as the installation conditions to avoid variations in size.

If the tiles or planks have been stored in temperatures of above 12°C, they must be unloaded from the pallet and stored without being piled up (stacks of less than 5 boxes). If the tiles or planks have been stored in temperatures of below 12°C, the boxes must be opened and the tiles or planks spread out in the area where they are due to be installed. This will help LVT tiles or planks to acclimatise more quickly.

3.1. LAYING ON UNDERFLOOR HEATING

The owner of the heating system must have started up and turned off the underfloor heating in compliance with the local standards: Natural drying of the substrate must be completed by gradually starting the heating system prior to laying the floor covering in compliance with system provisions. Note that the heating must be turned off 48 hours before application of the floor preparation compound.

3.2. LAYING IN PREMISES WITH SKY LIGHTS OR LARGE BAY WINDOWS



In buildings with bay windows, large windows or sky lights, temperatures at floor level can reach up to 60°C when exposed to sunlight.

It will be necessary, on the one hand, to use adhesives which are resistant to high temperatures, and on the other, to install temperature regulation (air conditioning, etc.) and/or to prevent direct sunlight from reaching the floor covering (curtains, voiles, etc.).

To avoid major colour differences, mix the planks from several different boxes from the same series.

4. LAYING THE COVERING

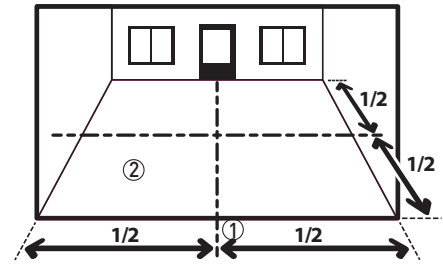
The tiles or planks must be removed from their box at least 24 hours prior to installation, and stored flat on an even surface in the room in which they are going to be laid.

IMPORTANT :

Direction of installation:

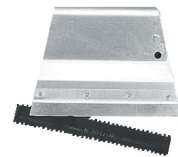
[201] - LAYING-DIRECTIONS-INSTALLATION-INSTRUCTIONS

1. Axis parallel to the main entrance,
2. Perpendicular to this axis, with tile cuts the same on each side.



5. GLUING

- The application is done by priming and using acrylic emulsifying adhesives with a finely toothed spatula or trowel A2 Norm TKB or 1/16" x 1/16" x 1/16" square notch (1.6 mm x 1.6 mm x 1.6 mm).
- List of recommended adhesives (for other adhesives, please contact the adhesive manufacturer):



	BOSTIK	WULFF	WAKOL	MAPEI	SCHÖNOX/ SIKA	UZIN	THOMSIT	KIESEL	ARDEX	PCI	FBALL
Acrylic glue	SADERTACH V8	MULTI-STRONG SUPRA-STRONG ULTRA-STRONG UNI-TACK	D 3317 D 3319 P 270	Ultrabond Eco 4 LVT Ultrabond Eco V4SP Ultrabond Eco V4 Evolution	iFLOOR DUROCOLL	KE 2000 S KE 62	K 188 E K 188 S K 190 F	Oktamos® Star 110 Oktamos® Star 120 Oktamos® Star 100 Plus Oktamos® Star 100 Oktamos® Star EE 19	AF 155 AF 2224 AF 180	PKL 326	F46 F49 F66
Direct solar radiation (sunny area of bay windows, skylight, skydome...)			MS 550 MS 552	Adesilex G20	PU 900		P 625	Oktamol PU	AF 495		F74 F81 F84

The information given in this table is valid as on 10/12/2020 and is subject to change based on the information provided by local manufacturers.

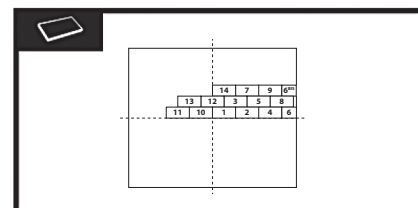
CAUTION!

- Carefully follow the instructions of the adhesive supplier.
- Carefully respect the bonding time which depends on the temperature, the atmospheric conditions of the room, the substrate's porosity and the coverage of the adhesive used.
- Insufficient bonding time: blistering.
- Bonding time exceeded: poor transfer of adhesive to the material.
- Apply adhesive to an area no larger than can be covered within the glue's working time.
- Remove any surplus glue spots while work is in progress.

GLUING THE SUBSTRATE AND APPLYING THE TILES

A - For rectangular format

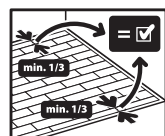
- Lay down the rectangular tiles on brick stone along the guidelines on the floor.
- Check the tiles joints for evenness.



B - For Wood plank formats

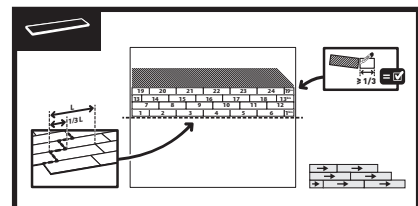
Laying principle

- Divide the floor area into two parts with one guideline at right angle to the room's main doorway.
- Position the first plank and then continue, following the guidelines (see diagram).



The first plank in the next strip should be offset sideways by one third of its length to ensure that the joints repeat themselves every three strips. This solution is better than offsetting by half a plank. Repeating the joints every second strip is less aesthetically pleasing.

- Press down carefully to provide maximum adhesion.

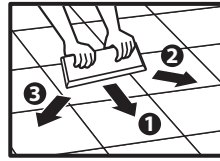


All products in the LVT range can not be used to make some design, See Instruction guideline SPECIFIC LAYOUT. It may be necessary to cut the planks /tiles.

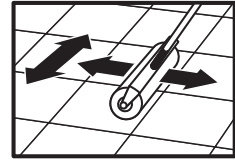
6. SMOOTHING

Smoothing must be done in two stages:

- Manually, using a smoothing press;
- Rolling a smoothing roller over the entire surface once the installation is complete.



Stage 1:
smoothing manually



Stage 2:
smoothing with a roller

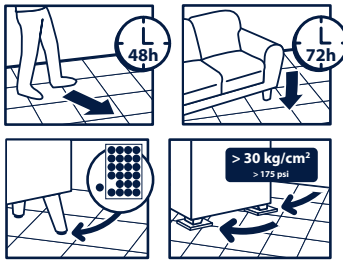
7. FINISHING

If the flooring is laid before the skirting, GERFLOR recommends Gerflor's Décor-type skirtings to finish the junction between floor and wall. See implementation principle [504A] SKIRTING DESIGN-6086 and [504B] SKIRTING DESIGN-MDF-5947.

Position the skirtings, making sure that they are not applying too much pressure on the planks/tiles (to allow for expansion).

If the skirting is already installed, GERFLOR recommends fitting a quadrant onto the wooden skirting to finish the junction between floor and wall.

8. PUTTING INTO SERVICE - CIRCULATION



Wait 48 hours before allowing normal walking on the installation.

- Do not install fittings or furniture until 72 hours after laying.
- Do not allow rubber feet to be used on furniture.

In the case of underfloor heating, wait 7 days before turning the heating back on.

9. FURNITURE

- Ensure that the leg ends of chairs, tables, casters and others are suitable for soft flooring (PVC, Linoleum).
- We recommend flat ends, without a pattern and having a solid contact surface on the coating (no conical tip).
- Prohibit the use of rubber tips.
- Ensure that the office chairs are equipped with casters suitable according EN 12529.



10. CARE

