Tiles are all laid in the same direction.

Before laying the floor covering, it should be inspected, so as to detect any visual defects. In the event of any visual defects, please notify GERFLOR and do not start laying the product before receiving GERFLOR's approval.

If laying GTI tiles in supermarkets, refer to the specific Laying Principle.

1. AREAS OF APPLICATION

1.1- LAYING TYPE

**FOREWORD: CONDITIONS FOR USE**

<table>
<thead>
<tr>
<th>P RATING FOR NEW AND REFURBISHED PREMISES</th>
<th>LAYING METHOD WITH TEMPERATURE CONDITIONS</th>
<th>PERIPHERAL EXPANSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTI</td>
<td>P4 premises, also capable of withstanding large stationary or moving loads. Floor care is limited to the use of a self-propelled floor scrubbing machine.</td>
<td>Since the stores are air-conditioned, the floor covering is not subject to temperature deviations greater than 20 °C. The dimensional stability of GTI / GTI Max tiles enables loose laying subject to a 500 m² limit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Due to the year-round heat regulation in the buildings, Gerflor recommends allowing for a 0.5 cm peripheral clearance.</td>
</tr>
</tbody>
</table>

**DYNAMIC LOAD RESISTANCE**

<table>
<thead>
<tr>
<th>Traffic frequency and type</th>
<th>Load according to tyre or wheel type</th>
<th>&quot;Solid rubber or pneumatic tyre. This type of machine should only be used for restocking shelves.&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Polyurethane or equivalent hardness</td>
<td>Electrically or thermally powered handling machinery is liable to give rise to heating-related damage due to wheel skidding. It is advisable to ensure that equipment is suitable for the floor covering structure (e.g., machinery equipped with an anti-skid system)</td>
</tr>
<tr>
<td></td>
<td>Contact pressure</td>
<td>Paired wheels are counted as a single wheel when the distance between them (centre distance or track) is &lt; 20 cm. Metal wheels are excluded.</td>
</tr>
<tr>
<td></td>
<td>Total loaded weight</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&lt; 3,000 kg</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>&lt; 6,000 kg</td>
<td></td>
</tr>
<tr>
<td>Total load per wheel</td>
<td>&lt; 1,000 kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&lt; 2,000 kg</td>
<td></td>
</tr>
<tr>
<td>Contact pressure</td>
<td>&lt; 100 kg/cm² (NF P11-101 standard)</td>
<td></td>
</tr>
<tr>
<td>Total loaded weight</td>
<td>&lt; 3,000 kg</td>
<td></td>
</tr>
<tr>
<td>Speed</td>
<td>&lt; 10 km/h</td>
<td></td>
</tr>
<tr>
<td>Handling</td>
<td>Stacker, nominal capacity 1,600 kg</td>
<td>Fork-lift truck, nominal capacity 2,000 kg - Car</td>
</tr>
<tr>
<td></td>
<td>Cleaning</td>
<td>Self-propelled automatic scrubbing machine with on-board operator</td>
</tr>
</tbody>
</table>

**IMPORTANT:** The information in this document is valid from: 01/12/2019 and is subject to change without notice. In the face of continuous technical improvements, before starting any work, our customers should check with us that this document is still in force.
1.2 - TYPE OF PREMISES AND USE
This floor covering is particularly suitable for areas subject to heavy traffic in clean rooms, and production, storage and handling areas. It is not suitable for wet areas (showers, etc.). It should be applied in temperature-regulated premises (store, retail area, etc.).

1.3 - SURFACES
1.3.1. Preparatory work for new flooring
**MECHANICAL PREPARATION:** The surfaces should be prepared with care so as to remove any soiling, laitance, treatment products or any other foreign bodies.

**BUMP AND DEPRESSION TREATMENT:** Sanding of bumps. Cleaning: using industrial vacuum cleaner. Point levelling of depressions with P4S or P4SR floor sealer.

**CRACK TREATMENT:** On any surface, cracks should be detected beforehand. They are not treated, if they are flush, and if they are < 3 mm wide.

1.3.2 - Substrates

<table>
<thead>
<tr>
<th>NEW CONCRETE SUBSTRATE</th>
<th>поверхностность</th>
<th>Подготовка основания</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCRETE FLOOR</td>
<td>Surface evenness &lt; 7 mm / 2 m or &lt; 2 m / 20 cm</td>
<td>Follow subfloor preparation</td>
</tr>
</tbody>
</table>

| RENOVATION |
|------------------------|----------------|
| CONCRETE FLOOR PAINTED CONCRETE | Surface evenness < 7 mm / 2 m or < 2 m / 20 cm |
| Follow subfloor preparation |

<table>
<thead>
<tr>
<th>TILES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface evenness &lt; 7 mm / 2 m</td>
</tr>
<tr>
<td>Unevenness &lt; 1 mm</td>
</tr>
<tr>
<td>The grouting joints &lt; 4 mm and not recessed, otherwise, fill them with a grouting product or levelling compound over the entire surface, so that the grouting joints are not visible (no telegraphing)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RESIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface evenness &lt; 7 mm / 2 m</td>
</tr>
<tr>
<td>Crack treatment &lt; 1 mm; if &gt; 1 mm, subfloor analysis is necessary</td>
</tr>
<tr>
<td>Impact treatment &lt; 10 mm with the same resin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PVC TILES AND COMPACT ROLLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degraded area: Less than 10 % on room surface; remove the defective tiles, fill the gaps with levelling compound, and then lay the tiles after the subfloor has dried.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RAISED FLOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>The floor surface must not have any uneven areas and the joints must not be curved.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BITIMINOUS / ASPHALT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface evenness &lt; 10 mm / 2 m, otherwise grind the bump.</td>
</tr>
<tr>
<td>Static loading &lt; 30 kg/cm², otherwise use load distribution plate</td>
</tr>
</tbody>
</table>

| CARPET, LVT, PVC FOAM, LAMINATED FLOOR, LINOLEUM, WOOD-BASED PANEL | Complete removal |

<table>
<thead>
<tr>
<th>UNDERFLOOR HEATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDERFLOOR HEATING WITH CIRCULATING HOT WATER AT MAXIMUM 28°</td>
</tr>
<tr>
<td>RADIANT ELECTRIC UNDERFLOOR HEATING THE REGULATIONS REQUIRE € 0,15 M² X KELVIN / WATT</td>
</tr>
<tr>
<td>LOW TEMPERATURE WATER REVERSIBLE UNDERFLOOR HEATING</td>
</tr>
</tbody>
</table>

If the substrate is not in this list: please contact us.
2. LAYING

2.1 - STORAGE & WORK CONDITIONS
Before laying the floor covering, it should be inspected, so as to detect any visual defects. In the event of any visual defects, please notify GERFLOR and do not start laying the product before receiving GERFLOR’s approval.

Since the stores are air-conditioned, these tiles are not subject to temperature deviations greater than 20 °C. The tiles should be stored on-site for 24 to 48 hours beforehand at ambient temperature.

DO NOT MIX BATCHES

2.2 - LAYING TYPE
Attraction® / GTI / GTI Max tiles can be bonded, but they are essentially intended for loose (non-adhesive) laying, in single pieces limited to 500 m². For larger surface areas, the surface is split into 500 m² sections and the joints between areas are sealed with adhesive.

2.3 - DETAILED LAYING
2.3.1 Extra-wide double-sided adhesive positioning
Splitting of surfaces into 500 m² sections
Since loose laying is limited to 500 m², it is necessary to envisage splitting into 500 m² sections by previously applying an extra-wide double-sided adhesive.
Regardless of the configuration, double-sided adhesive should be applied, never exceeding more than 20 rows of tiles.
Study the layout so as to prevent the position of the double-sided adhesive and the seam between each area from being situated in the main aisles to avoid heavy traffic.

• Example of configuration < 500 m² (clothing, cosmetics aisles, etc.),

500 m² sections
only following the peripheral sealing joint and adhesive application in front of entrances

Double-sided adhesive in front of door, storeroom access + 1 m

Storeroom

Each 500 m² section may include turning or liquid areas, storeroom entrances, also requiring double-sided adhesive application. Avoid locating 500 m² demarcation areas in a main aisle.

<table>
<thead>
<tr>
<th>SUPPORT</th>
<th>PRIMER</th>
<th>TYPE OF ADHESIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic cement Dryness &lt; 4.5% moisture (CCM)</td>
<td>Primasol R (BOSTIK) P121 / F78 / Seal Concrete (F BALL) Tec 049 (HB FULLER) Eco Prim T (MAPEI)</td>
<td>Fix&amp;Free 740 from Gerflor</td>
</tr>
<tr>
<td>Hydraulic cement Dryness: Moisture content between 4.5 and 7% (CCM)</td>
<td>F78 (F BALL) EPOXY PE 480 UZIN</td>
<td>Fix&amp;Free 740 from Gerflor</td>
</tr>
<tr>
<td>Tiles</td>
<td>Levelling compound required. For the application of primer on levelling compound, refer to Hydraulic cement</td>
<td>Fix&amp;Free 740 from Gerflor</td>
</tr>
<tr>
<td>Resin, old PVC covering</td>
<td>Stripping is necessary to remove any cleaning product.</td>
<td>Fix&amp;Free 740 from Gerflor</td>
</tr>
</tbody>
</table>

There are other primers recommended by glue manufacturers. Gerflor only recommends to refer to the technical data sheets of these primers for their instructions.

If the substrate is not in this list: please contact us.
2.3.2 Double-sided adhesive application

- **Note on surface:**
  The surface should be dry, hard, perfectly adherent, load-bearing, plane and free from grease, dust & silicone.

- **Dry adhesive application:**
  - Unroll the double-sided adhesive, pressing lightly on the adhesive with a gluing block
  - Only unroll the amount of double-sided adhesive that can be covered that day with the floor covering.
  - Roll up the remaining with the protective paper to protect the surface and the section from dust.

- **Laying PVC tiles on adhesive:**
  - Mark the lines on the protective paper either with a chalk line or a pencil.
  - Mark the starting point of the first tiles and the first row of tiles.
  - Place a steel rule along the line and cut only the protective paper with a straight blade.
  - Remove the protective paper from the double-sided adhesive, pulling straight and flat. The line created forms the starting line of the first tiles of the first row.
  - Lay the tiles and interlock them.
  - Stack the protective papers as you progress and then roll them up (minimises waste volume).
  - Remove the protective paper as you progress, pulling straight and flat.
  - After laying, apply adhesive generously and apply a pasting roll, in crisscross strokes on the entire surface.

- **Removing tiles and double-sided tape adhesive:**
  Double-sided adhesive allows you to remove the floor covering without leaving any trace of adhesive and without damaging the surface.
  - Disengage the tiles.
  - Starting in one corner, detach the double-sided adhesive from the surface.
  - Remove the floor covering and double-sided adhesive by pulling at ground level.

**Gluing in front of sunny area (Bay windows)**

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 a two-part polyurethane (PU) adhesive or hybrid adhesive (Please Contact the adhesive manufacturers).

<table>
<thead>
<tr>
<th>BOSTIK</th>
<th>MANG</th>
<th>SADER</th>
<th>CEGECOL</th>
<th>MAPEI</th>
<th>UZIN</th>
<th>F BALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gluing in front of sunny area (bay windows...)</td>
<td>PU 456</td>
<td>SOL UR</td>
<td>Adesilex G 20</td>
<td>KR 430</td>
<td>Hybrid acrylic glue</td>
<td>F 49 Hybrid acrylic glue (PSA)</td>
</tr>
<tr>
<td></td>
<td>PU 2 components</td>
<td>PU 2 components</td>
<td>PU 2 components</td>
<td>KE68</td>
<td>Single component</td>
<td>Pressure Sensitive Adhesive</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.3.3 Installation of GTI tiles

- **Precautions**
  The tiles are delivered on a pallet. It is imperative not to mix the different batches.

**Direction of installation:**
The tiles are laid ALL in the same direction.
Observe the direction indicated by the arrow on the back of the slab.

Pressed materials, such as GTI tiles, may have dimensional tolerances from one series to another or from one color to another which may vary by 1 mm.

In this case, the tiles can:
- Either not be able to fit: In this case, plan to cut the dovetails and weld the slabs with a double-sided adhesive 5 cm wide on each side of the weld.
- Easy to fit together: In this case, you must also place a double-sided adhesive 5 cm wide on both sides to avoid any risk of unclipping over time.

- **Implementation:**
  The use of slabs on large surfaces must always be done by working on the two axes that have been drawn beforehand, either along a wall or between two zones of 500 m² (see drawing) or crosses in the middle of the room.

- General case:
  Start crosswise in the middle of the room. Install the stair tiles ¼ by ¼ of the room.

- Implantation along a wall:
  Start in the middle of the implantation. Install the stair tiles on both sides.
3.1 - SKIRTING
VYNAFLEX skirting or Gerflor Flexible skirting for finishing between floor and wall.

3.2 - SURFACE EXPANSION JOINTS
- Flush joints: The RM 20-5 profile with PVC strips supplied by COUVRANEUF covers the joint. Adhesive-free tiles are cut along the joint and should be sealed onto the flexible joint.
- Joints with overlay profile: The profile is fitted over the floor covering and is secured on one side only.

3.3 - DOOR PASSAGES AND STOPS
Use the following profiles according to the conditions of use: intensity of traffic, humidity level, etc.

3.3.1 Finishing profile 0505
- Lay in steps for easier tile interlocking and to prevent displacement. The tiles are laid in step and ALL in the same direction (see arrows on back of tiles).
- Provide a circular saw with platform for the duration of the work.
- Cutting is performed either with a cutter (1 pass on the surface and repeat on back), or using the transfer technique (scribing).
- Scribing: Method for tracing or cutting parallel lines. For this, a marking gauge or a tile gauge is used.
- Position the tile to be cut on the last full tile laid.
- Take a full tile which will serve as a gauge.
- Lay it on the tile to be cut, pressing on the partition (wall). Leave a clearance of 0.5 cm.
- Mark the tile to be cut along the edge of the gauge, with a cutter equipped with a straight blade.
- Cut the part of the tile to be laid neatly and put it in place.
- For difficult areas (door frame, etc.), use demultiplied shears.

- Interlocking of tiles (procedure, tools, etc.), adjustment
  - The tiles are interlocked by striking with a synthetic mallet or a non-rebound mallet and a wooden block.
  - The tiles are interlocked from the corner to the edge.

Tools required: Cutter - Tape measure - Metal rule - Metal tracing wheel - Wooden or synthetic resin mallet

- Peripheral levelling
  The tiles should be positioned such that the peripheral cuts are > ½ tile
CUTTING (procedure, tools, etc.)
  - Peripheral clearance: in standard sections, the peripheral clearance is 0.3 cm.

Cutting (procedure, tools, etc.)
- Peripheral clearance: in standard sections, the peripheral clearance is 0.5 cm.

Position the tile to be cut on the last full tile laid.
Take a full tile which will serve as a gauge.
Lay it on the tile to be cut, pressing on the partition (wall). Leave a clearance of 0.5 cm.
Mark the tile to be cut along the edge of the gauge, with a cutter equipped with a straight blade.
Cut the part of the tile to be laid neatly and put it in place.
For difficult areas (door frame, etc.), use demultiplied shears.

- Provide a circular saw with platform for the duration of the work.
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- Cut the part of the tile to be laid neatly and put it in place.
- For difficult areas (door frame, etc.), use demultiplied shears.

3. HANDLING SPECIAL SECTIONS

3.1 - SKIRTING
VYNAFLEX skirting or Gerflor Flexible skirting for finishing between floor and wall.

3.2 - SURFACE EXPANSION JOINTS
- Flush joints: The RM 20-5 profile with PVC strips supplied by COUVRANEUF covers the joint. Adhesive-free tiles are cut along the joint and should be sealed onto the flexible joint.
- Joints with overlay profile: The profile is fitted over the floor covering and is secured on one side only.

3.3 - DOOR PASSAGES AND STOPS
Use the following profiles according to the conditions of use: intensity of traffic, humidity level, etc.

3.3.1 Finishing profile 0505
- Lay in steps for easier tile interlocking and to prevent displacement. The tiles are laid in step and ALL in the same direction (see arrows on back of tiles).
- Provide a circular saw with platform for the duration of the work.
- Cutting is performed either with a cutter (1 pass on the surface and repeat on back), or using the transfer technique (scribing).
- Scribing: Method for tracing or cutting parallel lines. For this, a marking gauge or a tile gauge is used.
- Position the tile to be cut on the last full tile laid.
- Take a full tile which will serve as a gauge.
- Lay it on the tile to be cut, pressing on the partition (wall). Leave a clearance of 0.5 cm.
- Mark the tile to be cut along the edge of the gauge, with a cutter equipped with a straight blade.
- Cut the part of the tile to be laid neatly and put it in place.
- For difficult areas (door frame, etc.), use demultiplied shears.

- Interlocking of tiles (procedure, tools, etc.), adjustment
  - The tiles are interlocked by striking with a synthetic mallet or a non-rebound mallet and a wooden block.
  - The tiles are interlocked from the corner to the edge.

Tools required: Cutter - Tape measure - Metal rule - Metal tracing wheel - Wooden or synthetic resin mallet

- Peripheral levelling
  The tiles should be positioned such that the peripheral cuts are > ½ tile
CUTTING (procedure, tools, etc.)
  - Peripheral clearance: in standard sections, the peripheral clearance is 0.3 cm.

Cutting (procedure, tools, etc.)
- Peripheral clearance: in standard sections, the peripheral clearance is 0.5 cm.

Position the tile to be cut on the last full tile laid.
Take a full tile which will serve as a gauge.
Lay it on the tile to be cut, pressing on the partition (wall). Leave a clearance of 0.5 cm.
Mark the tile to be cut along the edge of the gauge, with a cutter equipped with a straight blade.
Cut the part of the tile to be laid neatly and put it in place.
For difficult areas (door frame, etc.), use demultiplied shears.
3.3.2 RAMPE LL 5-6 MM (REF:0609)
Installation guideline [510] RAMPE LL 5-6 MM (0609)

3.3.3 GTI ACCESS and CORNER
GTI ACCESS 635 X 320 mm
GTI CORNER 320 mm x 320 mm

These accessories need to be glued with two-component and weighted during the setting of the adhesive (6-12 hours).

3.4 - SEALANT APPLICATION IN PERIPHERAL CLEARANCE
We recommend applying a polyurethane or hybrid sealant (M.S. Polymer) in the peripheral clearance to prevent any water or other penetration.

4. PUTTING FIXTURES BACK IN PLACE
- Consoles (whether stocked or not) and other display units should be put back in place before the distribution plates to prevent slippage of the loose laid material.
- Any damage to the material caused by putting fixtures back into place shall not be accepted by the installer or material manufacturer.

5. REPAIRS AND MAINTENANCE

5.1. - MONITORING, MAINTENANCE AND REPAIRS
The user should regular monitor that the structure appears to be securely in place and notify the client and/or original installer of any anomalies that the user deems to incur potential risks in respect of the durability of the structure.

The technical analysis, requested by the user from the other parties, should differentiate between ageing due to normal wear and tear due to the traffic and use of the premises and accidental damage.

If the observations made by the user are found to be justified following the technical analysis, the installer shall conduct the repair work within the scope of its contractual and/or legal commitments.

NOTE:
As part of this monitoring, the user should report any accidents linked with the operation of the premises without delay for repairs, in particular: cuts due to falling sharp objects, individual burns, etc. This maintenance may be carried out by the user’s maintenance department.

5.2. - REPLACING ATTRACTION® / GTI TILES
• Replacing an adhesive-free tile:
  - Cut a corner of the damaged tile,
  - Disengage the dovetails,
  - Fit a new tile in place, observing the laying direction.

• Replacing an adhesive-bonded tile:
  - Cut a corner of the damaged tile,
  - Disengage the dovetails,
  - Cut and replace the adhesive,
  - Fit a new tile in place, observing the laying direction.