



Ambient temperature
Floor temperature

IN ACCORDANCE WITH
LOCAL STANDARDS

Examine the floor covering prior to installation to ensure that there are no visual defects. If a visual defect is detected, please inform GERFLOR and do not begin installation until you receive approval to proceed.

1- AREAS OF APPLICATION

The intended substrates may be subject to rising damp and may have a moisture content of up to 7% for cement-based substrates and 0,5% for calcium sulphate-based liquid screeds. Measurements must be performed using the carbide bomb test.

The new substrates covered by these guidelines include:

- Concrete screeds on earth and on upper floors
- Calcium sulphate binder-based liquid screeds and cement binder-based liquid screeds which are intended to be covered with a flexible floor covering
- Wood-based subfloor: subfloor with plywood panels must have tongue and groove system and be fixed with the substrate. Nailed parquet must keep its undersurface ventilation. For all wood-based subfloors: no visible deformation under a 75 kg weight, no uneven areas, no gaps between strips and panels, less than 6 mm when measured with a 3 m straightedge, joints treated to avoid core patterning.

The old substrates (renovation) covered by these guidelines include:

- Stripped hydraulic binder-based substrates
- The previous stripped liquid screeds
- Resin or old painted substrates with good adhesion on subfloor
- Wood-based subfloor in the same conditions than new substrates
- PVC flooring (compact and foam backing) still fully bonded on subfloor

The conditions for identifying, treating and accepting the intended substrates are the same as for glue-down laying.

2 - MATERIALS

Differences in width (tolerances) may exist between the rolls in the GERFLOR range of Sports Floors.

Examine the floor covering prior to installation to ensure that there are no visual defects. If there are any visible defects, you must notify GERFLOR before installing the product.

The intended floor coverings are TARAFLEX SL.

3 - PREPARING THE MATERIAL AND INSTALLATION (24 HOURS BEFORE LAYING THE COVERING)

■ 3.1 - Recommended Conditions before laying

Substrate temperature (St)	$10^{\circ}\text{C} \leq T \leq 30^{\circ}\text{C}$
Ambient temperature (T)	$12^{\circ}\text{C} \leq T \leq 30^{\circ}\text{C}$
Ambient relative humidity (RH)	$\text{RH} \leq 65\%$

The ambient relative humidity and substrate temperature must be such that there is no condensation on the substrate (dew point). The temperature of the substrate must be 3°C higher than the dew point.

There must not be any bleed water on the surface of the substrate when installing the product.

■ 3.2 - Substrate preparation

The substrate must be mechanically prepared by fine shot-blasting or sanding, and then thoroughly cleaned.

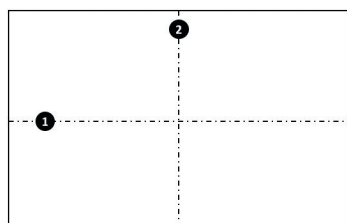
Cracks, dividing joints and contraction joints greater than 0.8 mm must be treated; all uneven areas must also be treated.

■ 3.3 - SL installation

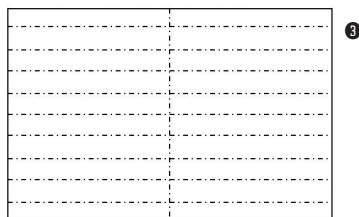
3.3.1 - Installation preparation

Layout

Tip: the rolls will be laid along the longitudinal axis starting from the transverse axis or according to a specific layout plan for multi-colour schemes.



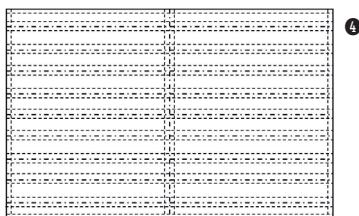
- The longitudinal axis ① and transverse axis ② are marked on the substrate using the holes for anchoring the sports equipment as reference marks.
- The strips must be laid out such that any cut edges are balanced.



- The lines where strips edges butt together are also marked 3, such as with a chalk line.



- If laying the product with the TARAFIX SL adhesive tape, you can apply the tape at this stage by centring the tape along the marked line showing where the strips edges join and around the periphery without removing the protective film 4.



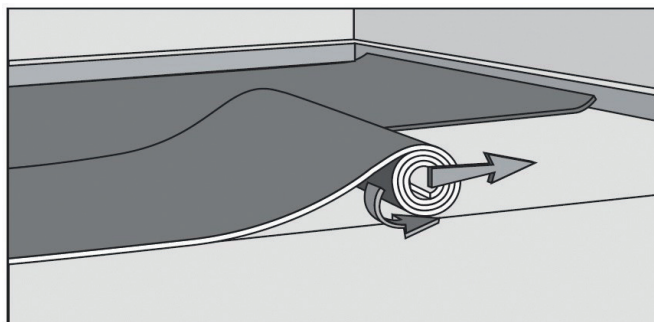
- If laying the product with the GERPUR glue, at this stage you can mark the glue lines (20 cm on each side of the strips joints) and around the periphery 4.
- The floor covering will be maintained along the strips joints, in the access areas (high traffic) over a distance of 1 m and around the periphery.
- In case of bay windows, contact our Technical Support team.
- You are also advised to maintain the floor covering across its entire surface in areas where retractable seating systems are opened and stacked.

Acclimatising the strips

Unroll and lay the rolls flat for 24 hours. This is done by numbering the lengths, keeping them in order and leaving a gap (1 cm) between each strip.

Strips must be straight (e.g. aligned with a chalk line mark) to ensure that they are perfectly flat.

IMPORTANT: Rolls will always be unrolled from the centre of the sports hall. The end of the material near the cardboard tube will be placed along the walls.



3.3.2 Laying and holding down the floor covering

Positioning the strips

During installation, the gap between each strip must not be more than 1 mm. Cuts are made using usual knife with hook blade. Take care when cutting the non-woven material.

Solutions for maintaining and applying the strips

The floor covering is maintained along the strip joints, in the access areas over a distance of 1 m and around the periphery.

The approved solutions for sticking down rolls are:

- TARAFIX SL adhesive tape centred along the strip joints. Adhesive tape available from Gerflor (ref. 06480001).
- GERPUR glue applied in 40 cm strips (20 cm on each side of the strip joints). Glue available from Gerflor (ref: 086C 0083).
- Acrylic emulsion adhesive according to §3.3.2.3

	ADHESIVE TAPE	ADHESIVES
Concrete screed subject to rising damp or over 4% moisture [CCM]	TARAFIX SL	GERPUR
Concrete screed not subject to rising damp and under 4% moisture [CCM]		Acrylic emulsion adhesive according to §3.3.2.3
Calcium sulphate binder-based liquid screeds and cement binder-based liquid screeds (<0,5%)		
Wood-based subfloor		
Old flooring (Resin, old painted substrates, PVC flooring)		

3.3.2.1 Applying strips with adhesive tapewww

Adhesive tape can be affixed to the substrate before laying the covering according to the joint lines (refer to 3.3.1 Layout); in this case, the protective paper must not be removed when affixing the tape to the substrate.

Once the strips have been laid flat for 24 hours, they can be applied to the adhesive tape after removing the protective film. Smooth out the strips to ensure that they are perfectly flat.

- Position and adjust the strips to cover the surface concerned.
- Smooth out the strips after handling to ensure that they are perfectly flat.
- The maximum gap between strips is 1 mm

Remove the protective paper and apply the floor covering to the adhesive tape:

- Method 1: cut the paper between the strips and remove beneath each strip by pulling at a 90° angle.
- Method 2: fold the strips back halfway, remove the paper on the accessible part and then apply the roll to the adhesive; proceed in the same way for the other half.

Smooth out the edges of the strips with a 50 kg roller.

If no adhesive tape was applied before placing the strips:

- Fold the strips back halfway.
- Apply and smooth out the adhesive tape centred along the strip joint.
- Remove the protective paper.
- Apply the strip to the adhesive.
- Smooth out the edges of the strips with a 50 kg roller.
- Repeat the above for the other half of the strips.



3.3.2.2 Sticking down strips with GERPUR glue

Once the strips have been laid flat for 24 hours and smoothed out, they can be laid with the GERPUR glue.

When gluing, fold the strips back halfway. If not already done (refer to 3.3.1 Layout), mark the glue lines (20 cm on each side of the strip joints). The flooring is laid using the single bond method with glue applied using a B1 spatula (TKB specification; coverage of 400 to 450 g/m²). The spatula blade will need to be changed regularly to maintain this level of coverage: one blade for every 100 m² glued.

The amount of glue contained in a bucket can be used to glue a surface area of 35 m², i.e. equivalent to an 87.5 m strip with a width of 40 cm.

Time before laying: since the backing of the floor covering contains non-woven material, lay the strips 15 to 20 min after applying the glue.

Working time: one hour (corresponds to the worst-case scenario with a RH rate of 100%. The cross-linking speed depends on the ambient humidity).

Smooth out the edges of the strips bonded with the GERPUR glue.

Only use a 50 kg smoothing roller. Make two passes in a crosswise direction at least 20 min after laying the strips.

Do not remain in a static or kneeling position on the freshly glued strips to prevent the glue from creeping.

3.3.2.3 Sticking down strips with acrylic emulsion adhesive

For substrates that are not subject to moisture absorption, i.e. with a moisture content of up to 4% for hydraulic binder-based substrates and 0.5% for calcium sulphate-based liquid screeds according to the carbide bomb test, the product can be glued down with an acrylic emulsion adhesive using an A2 spatula (TKB specification). Respect adhesive waiting time before applying strip in adhesive and smooth out the strips. Methods and technics for installation are the same than §3.3.2.2.

Recommended adhesives are:

NAME	SUPPLIER
CEGE 100 HQT	CEGECOL
SIKABOND 150 PREMIUM FLOOR	SIKA
POLYMANG SM	MANG
TECHNIMANG	MANG
SADERTAC V6	SADER
SADERTECH V8	SADER
STIX A300 MULTIFLOOR	BOSTIK
STIX A800 PREMIUM	BOSTIK
GERTEC	GERFLOR
ULTRABOND ECO V4 SP	MAPEI
KE2000S	UZIN

3.3.3 - Hot-welded joints

Joints are hot-welded with a CR50 welding rod in the same colour as the floor covering.

The hot welding process involves the following three steps:

Chamfering:

Chamfering allows the joint to be opened and corrected, and to remove any traces of glue that may impair the quality of the weld.

There are two chamfering methods:

- Manual using an appropriate tool (triangle, rule, etc.)
 - Mechanical using an electric chamfering machine fitted with a 3.3 to 3.5 mm blade
- The chamfer must be grooved through the thickness of the PVC layer, i.e. down to the foam backing.

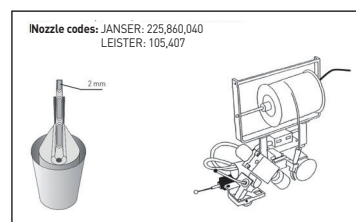
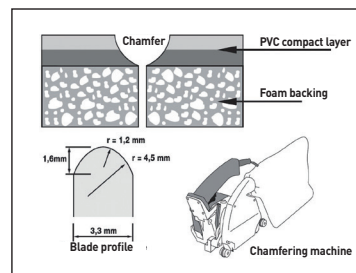
Hot welding:

The weld is created using a CR50 welding rod and a LEISTER UNIFLOOR hot air welding machine with an electronic hot air welding gun and a narrow multi-outlet nozzle.

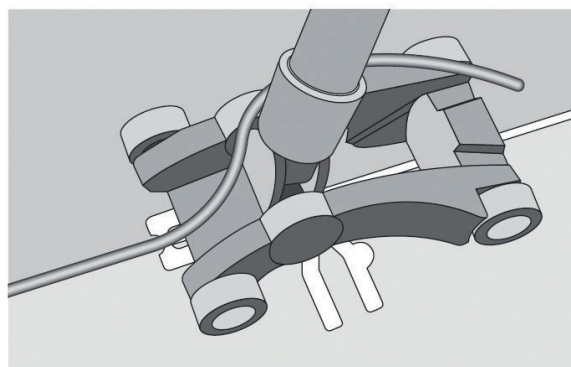
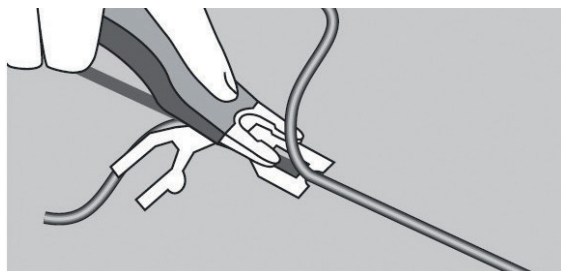
Trimmin:

- Using a MOZART knife: rotate the trimming guide to 90° on the side. Trim the weld after it has cooled down.

- With a trimming plane: rotate the trimming guide to 90° on the side. Trim the weld after it has cooled down.
- Tools available from Janser or Romus.



TOOLS	GERFLOR CODE
MOZART knife	95130
Spare blades	95129



4 - FINISHES

Edge treatment

The floor covering is trimmed around the edges at 5 mm from the walls.

Treatment of special features

There is no need to maintain the floor covering where there are anchor points, unless those points are in areas containing welds. Anchor points can easily be cut with the circular cutter fitted with a cutting centre finder (ref: 262 262 500 - JANSER).



Game lines

Game lines can be marked with TLD Aqua paint according to [802] - GAME LINE MARKING GUIDELINES.

5 - FIRST USE

For normal foot traffic, the floor can be walked on 24 hours after the work has finished.

Wait 72 hours before installing sports equipment or moving wheeled loads.

Static and dynamic loads must be evenly distributed when installing equipment, such as folded and open table tennis tables, referee

tables, solid storage trolleys, removable basketball boards, apparatus, platforms, forklifts and utilities. Raceways and distribution plates must be dimensioned and positioned according to the loads.

See [803] - STATIC AND DYNAMIC LOADING