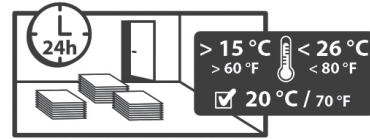





[412] INSTALLATION OF LOOSE-LAY TILES WITH CORK BACKING: SAGA²

Tiles must be taken out of their boxes at least 24 hours before installation and stored in the room in which they are going to be laid. Examine the materials prior to installation to ensure that there are no visible defects. If such defects exist, 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

INSTALLATION		Full bonding with a permanent adhesive (Tackifier).
LAYING TEMPERATURE		+ 15°C < T < + 26°C in temperature-regulated premise
USAGE TEMPERATURE		Acceptable temperature range after installation: 20°C (e.g.: + 10° to + 30°C)
DIRECT SOLAR RADIATION (SUNNY AREA OF BAY WINDOWS, SKYLIGHT, SKYDOME, ETC.)		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 (Please Contact the adhesive manufacturers)
VERANDA		Prohibited

SUBSTRATES

TILED SUBSTRATE		If the substrate requirements are met and more than 90% of the room's surface is in a good condition, remove the defective tiles, fill the gaps with levelling compound, and then lay the Saga ² tiles after the substrate has dried. Otherwise, the entire flooring will have to be taken up and the substrate prepared from scratch. The tiles must not have any uneven areas and the grouting joints must not be > 5 mm wide and 1 mm deep. Otherwise, fill them with a grouting product or levelling compound over the entire surface, so that the grouting joints are not visible (no telegraphing).
CONCRETE FLOOR, PAINTED CONCRETE, LEVELLING CONCRETE, LIQUID CEMENT SCREEDS, CALCIUM SULPHATE-BASED, ANHYDRITE SCREEDS (SEE § 2.2)		If necessary, apply a levelling compound to eliminate any surface irregularities. Sand, remove dust.
PVC TILES AND COMPACT ROLLS COMPACT LINOLEUM		If the substrate requirements are met and more than 90% of the room's surface is in a good condition, remove the defective tiles, fill the gaps with levelling compound, and then lay the Saga ² tiles after the substrate has dried. Otherwise, the entire flooring will have to be taken up and the substrate prepared from scratch.
UNDERLAYER / SOUNDPROOF PVC ROLLS		Prohibited
TEXTILE FLOORING (CARPET)		Prohibited
RESIN		There must be no defects in the resin, otherwise the entire flooring will have to be taken up and the substrate prepared from scratch.
WOOD-BASED PANEL FLOORING (DTU 51.3) ON JOISTS OR ON BATTENS		Suitable
GLUED PARQUET		Not Suitable
PARQUET NAILED ONTO BATTENS SPACED NO MORE THAN 0.60 M APART, WITH VENTILATION OF THE INSIDE FACING		Suitable
FLOATING PARQUET OR PANEL		Not Suitable
LAMINATED FLOOR		Not Suitable
OSB BOARD		Not Suitable or on 6 mm plywood over OSB board
UNDERFLOOR HEATING		
UNDERFLOOR HEATING WITH CIRCULATING HOT WATER AT MAXIMUM 28°		Suitable
RADIANT ELECTRIC UNDERFLOOR HEATING THE REGULATIONS REQUIRE ≤ 0.15 M ² X° KELVIN / WATT		Suitable
LOW TEMPERATURE WATER REVERSIBLE UNDERFLOOR HEATING		Suitable
If the substrate is not in this list: please contact us.		

IMPORTANT: The information in this document is valid from: 01/12/2019 and is subject to change without notice. Due to continuous technical improvements, before starting any work our customers should check with us that this document is still applicable.

2. SUBSTRATE PREPARATION

2.1. SUBSTRATE REQUIREMENTS

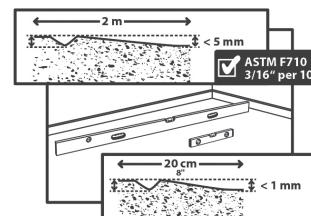
The flooring must be laid on a flat, clean, sound, dry and solid substrate.



The moisture content must not exceed 4.5% with a carbide bomb test (Carbide Moisture test), and 0.5 % for anhydrite screed.

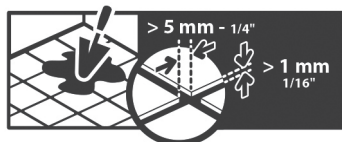


- The evenness must be < 5 mm under a 2-metre straight edge.
- The substrate must not have any uneven areas > 1 mm every 20 cm
- The substrate should be smooth and dust-free.



2.1.1 Tiled substrate

- The dividing joints or grouting joints must not have a gap > 5 mm.



2.2. PREPARATORY WORK ON NEW CONCRETE SUBSTRATES

The surfaces should be prepared with care so as to remove any soiling, laitance, treatment products or any other foreign bodies.

If the substrate does not meet the requirements, a substrate preparation must be carried out:

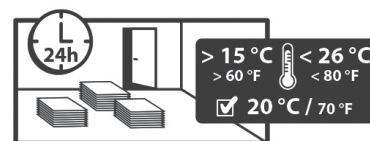
- On substrate with moisture content < 4.5%: the compound must meet class P3 specifications
- On substrate with moisture content between 4.5 and 7%, 92 % RH: we recommend applying a rising damp treatment before you apply a levelling compound.
- Localised patching: a resin mortar (bearing the NF mark for concrete repair products) may be used in isolated areas which do not meet the requirements in terms of evenness and surface finish.
- Crack treatment: treat cracks before applying a patching compound or if the unevenness is > 1 mm or there is a gap of > 1 mm.
- Joint treatment:
 - Contraction joints: treat joints before applying a levelling compound if the level difference is > 1 mm or there is a gap of > 5 mm.
 - Construction joints: similar to cracks, same treatment.

3. INSTALLATION

3.1. LAYING CONDITIONS

The tiles must be stored in the room in which they are going to be laid for at least 24 hours before installation. To avoid major colour differences, mix the tiles from several different boxes from the same series.

The room temperature during installation must be between 15 and 26°C.

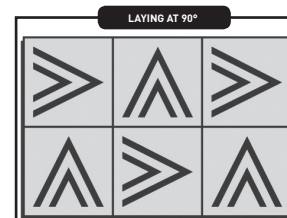


3.2. LAYING THE FLOOR COVERING

IMPORTANT

Laying direction: Laying at 90°

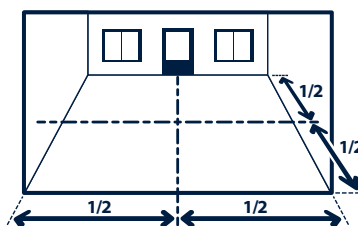
The lines marked on the backing of the tiles help you observe the laying direction.



3.3. MARKING OUT THE AXIS

Mark out the starting axes for laying the tiles following the requirements as illustrated opposite:

- Centre a row of tiles on the main axes.
- Check that the cut tiles around the edges will be larger than a half-tile.



[412] INSTALLATION OF LOOSE-LAY TILES WITH CORK BACKING: SAGA²

3.4. TRIMMING

The floor covering is simply trim (cut) around the room edges; the edge clearance can be covered with wooden skirting (natural, to be varnished or painted) or plastic skirting.

3.5. ADHESIVE

3.5.1 Permanent adhesive for Saga² tiles

MANUFACTURER	SIKA-CEGECOL	BOSTIK	HB FULLER
PRIMER	Yes	Yes	Yes
ADHESIVE	CG 100 DPA	ADESI-TECH	TEC™ 542
COVERAGE	A4 spreader (TKB Standard) 150 to 200 gr/m ²	A4 spreader (TKB Standard) 150 to 200 gr/m ²	A4 spreader (TKB Standard) 150 to 200 gr/m ²

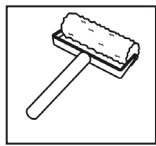
For any other adhesive, please consult us.

APPLICATION OF ADHESIVE WITH SPREADER



Depending on the substrate's porosity, possibly apply a primer. Single coat application of one of the products listed above, applied using: a very finely notched spreader with coverage of 150 gr/m², A4 type (TKB specification). Change the spreader as often as necessary to keep to this coverage requirement. It is imperative to apply the adhesive using a notched spreader.

APPLICATION OF ADHESIVE WITH ROLLER



Application of the adhesive using a roller on raised access floors requires particular care in order to ensure the necessary spread rate (100 to 150 g/m²).

We recommend using a foam roller, making two passes with the roller.

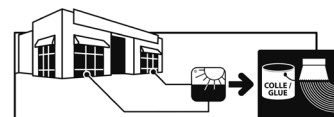
The second pass should be made when the layer of adhesive applied in the first pass is translucent.

Recommendations for application:

- Carefully respect the waiting time, which depends on the temperature, the humidity level, the substrate's porosity and the quantity of adhesive applied.
- Wait until the layer of adhesive is translucent before laying the tiles.

Gluing in front of sunny area (Bay windows)

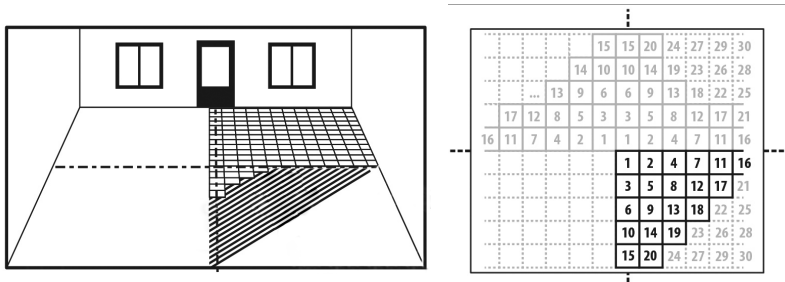
In order to prevent the floor temperature from reaching excessive values (60°C or above), direct sunlight on the floor should be obscured by curtains, blinds or other suitable protection. Otherwise, maintain the covering with a suitable adhesive, such as two-part polyurethane (PU) adhesive or hybrid adhesive (Please Contact the adhesive manufacturers).



	BOSTIK	MANG	SADER	CEGECOL	MAPEI	UZIN	F BALL
Gluing in front of sunny area (bay windows...)		PU 456 PU 2 components		SOL UR PU 2 components	Adesilex G 20 PU 2 components	KR 430 PU 2 components KE68 Hybrid acrylic glue Single component Bonding time up to 15 minutes	F 49 Hybrid acrylic glue (PSA) Pressure Sensitive Adhesive

3.6. LAYING THE TILES

- After the full waiting time for the adhesive, fit the first tile where the axes intersect.
- Lay the next tiles in a "staircase configuration". (See diagram opposite)
- Remove any surplus spots of fresh adhesive using a damp cloth while work is in progress.

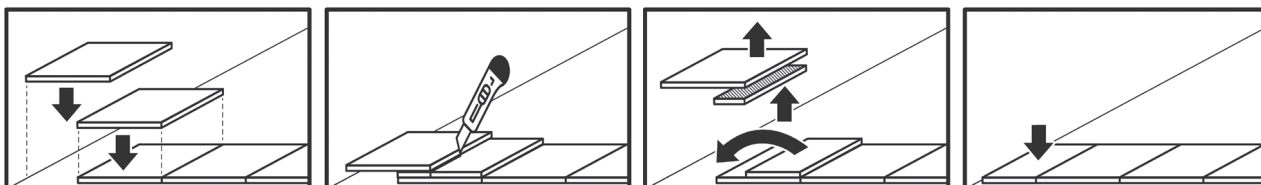
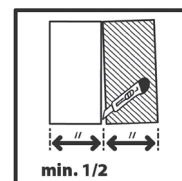


FLOORS IN BUILDINGS

[412] INSTALLATION OF LOOSE-LAY TILES WITH CORK BACKING: SAGA²

3.7. CUTS

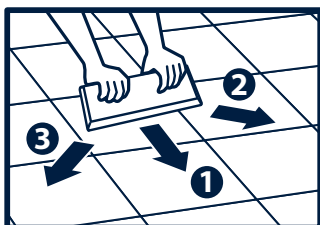
- Position the tile to be cut on the last full tile laid.
- Take a full tile to use as a template.
- Lay it on the tile to be cut, abutting against the partition (or wall).
- Mark the tile to be cut along the edge of the template using a cutter with a straight blade.
- Neatly cut the section of the tile to be laid and fit it in place.



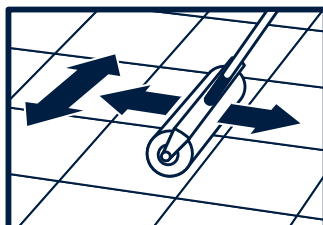
3.8. SMOOTHING

Smoothing must be done in two stages:

- Manually, using a smoothing block while work is in progress
- Rolling a smoothing roller over the entire surface once the installation is complete.

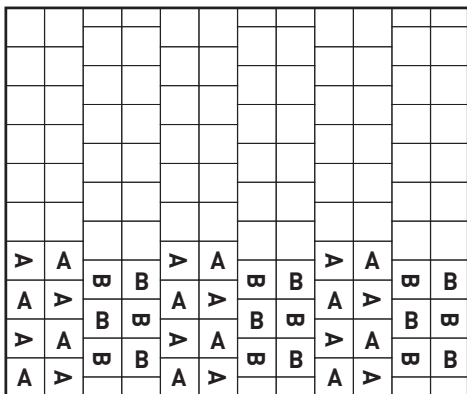


First: manual smoothing

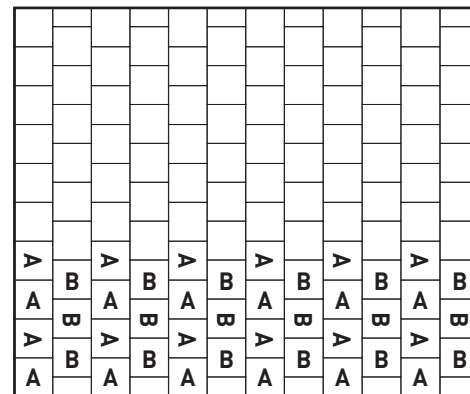


Second: smoothing with a roller

3.10. OTHER TYPES OF PERMITTED LAYOUTS



- Laying at 90°
- Colour A and colour B



4. TREATMENT OF SPECIAL FEATURES

4.1. EXPANSION JOINTS IN SUBSTRATE

- Flush joints: ROMUS profile CJ 20-5 or equivalent may be suitable.
- Joints with overlay profile: The profile is fitted over the floor covering and is secured on one side only.

4.2. DOOR FRAME BASES AND SPECIAL FEATURES



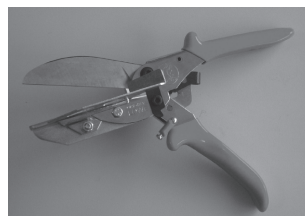
For cutting around door frame bases, areas which are difficult to access

Mitre shears

Reference:

Romus: 93415

Janser: 237 530 000



For cutting around door frame bases, areas which are difficult to access

High leverage gripper shear

Reference:

Janser: 262 284 000

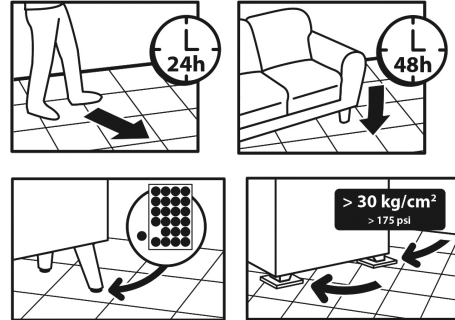
[412] INSTALLATION OF LOOSE-LAY TILES WITH CORK BACKING: SAGA²

■ 4.3. CONNECTION TO ADJACENT ROOMS

To join two rooms with SAGA² tiles, GERFLOR recommends using a threshold profile with concealed fixings, covering the edges that were left exposed when the flooring was laid. The threshold could be made of wood or metal. Various different thresholds are available from manufacturers such as DINAC and ROMUS among others.

5. FIRST USE

- For normal foot traffic, 24 hours after installation.
- Do not install fittings or furniture until 48 hours after laying.
- Ensure that end caps on table and chair feet, castors, etc. are suitable for flexible floor covering (PVC, Linoleum)
- We recommend flat end caps without any pattern and with the surface in full contact with the floor covering (no conical end caps). Do not use rubber end caps on furniture (risk of black stains). Use appropriate protector pads.
- Ensure that office furniture has type W castors compliant with EN 12529.
- In the case of underfloor heating, wait 7 days before turning the heating back on.



6. CARE



The care guides for SAGA² are available on the website www.gerflor.com