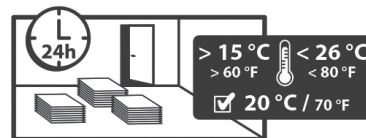


[412] INSTALLATION OF LOOSE-LAY TILES WITH CORK BACKING: SAGA²

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.



FULL BONDING WITH A PERMANENT ADHESIVE (TACKIFIER):

Before bonding, the substrate must be coated with a primer that is compatible with the permanent adhesive

1. AREAS OF APPLICATION

MATERIALS	SAGA ² TILES
PRODUCT CONSTRUCTION	4.6 mm including 0.7 mm of wear layer. Cork underlayer Tiles: 50 cm x 50 cm
UPEC OR EUROPEAN CLASSIFICATION	Concrete substrate CEN: 34-43 Wood substrate, calcium sulphate screed CEN: 34-43
AREA OF USE	Specialist food stores, cafés, tobacconists, newsagents, ground floor or upper floor offices. Small shops: Chemists - Health stores - Newsagents, etc.
STATIC LOAD RESISTANCE	≤ 200 kg / support and ≤ 30 kg / cm ² (< 175 psi)
LAYING DIRECTION	Laying at 90°

PERMITTED 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 substrate tiling must not have any uneven areas and the grouting joints must not be wider than 5 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).
CONCRETE FLOOR, PAINTED CONCRETE, LEVELLING CONCRETE, LIQUID CEMENT SCREEDS	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.
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°	Possible
RADIANT ELECTRIC UNDERFLOOR HEATING THE REGULATIONS REQUIRE ≤ 0.15 M ² X° KELVIN / WATT	Possible
LOW TEMPERATURE WATER REVERSIBLE UNDERFLOOR HEATING	Possible

IMPORTANT: The information in this document is valid from: 01/08/2018 and is subject to change without notice.

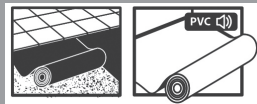
Due to continuous technical improvements, before starting any work our customers should check with us that this document is still applicable.

FLOORS IN BUILDINGS

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

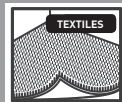
SUBSTRATES NOT PERMITTED

UNDERLAY / PVC
SOUNDPROOFING
FLOOR COVERINGS
IN ROLLS



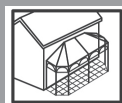
Not permitted

TEXTILE FLOORING
(CARPET)



Not permitted

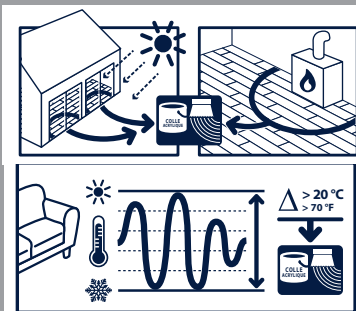
VERANDA



Not permitted

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

INSTALLATION CONDITIONS AND SPOT GLUING



Floor covering installed in temperature-regulated premises
TEMPERATURE BETWEEN 15 and 26° C.

Acceptable temperature range after installation: 20° C (e.g. +10° to +30° C). Beyond or below these temperatures, this product must be bonded using adhesive which is resistant to extreme temperature differences. We recommend having temperature regulation (air conditioning, etc.) or preventing direct sunlight from reaching the material (curtains, blinds, etc.).

Installation on areas exposed to sunlight, in front of bay windows, skylights, or fireplaces (significant temperature variation) will require sticking down using two-part polyurethane adhesive (Mapei G 19 or G 20) or acrylic adhesive resistant to temperature variations.

If handling equipment is used (hand trucks, pallet trucks, trolleys, etc.), the load-bearing area should be glued.

2. SUBSTRATE PREPARATION

2.1. SUBSTRATE REQUIREMENTS

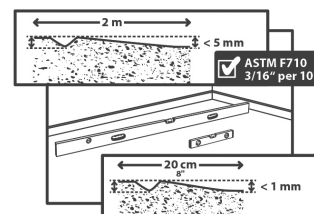
The flooring must be laid on a flat, clean, sound, dry and solid substrate.



The moisture content must not exceed 4.5% with a carbide bomb test (Carbide Moisture test).

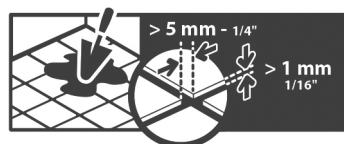


- The evenness must be < 5 mm under a 2-metre straight edge.
- The substrate must not have any uneven areas > 1 mm every 20 cm
- The substrate should be smooth and dust-free.



2.1.1 Tiled substrate

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



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

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 > 7%: 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. Beyond these temperatures, we recommend applying adhesive over the entire surface. For all areas with bay windows exposed to direct sunlight or with a skylight, it is important to know the maximum temperatures that can be reached in order to use an appropriate adhesive (polyurethane, epoxy, acrylic resistant to high temperatures, etc.).

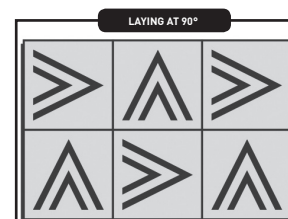


3.2. LAYING THE FLOOR COVERING

IMPORTANT

Laying direction: Laying at 90°

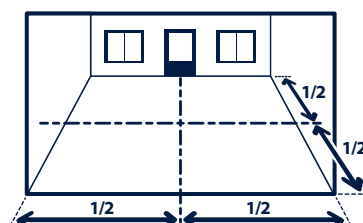
The lines marked on the backing of the tiles help you observe the laying direction.



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.



3.4. TREATMENT OF JOINTS AROUND ROOM EDGES

In E1 class premises, the floor covering is simply cut around the room edges; the edge clearance can be covered with wooden skirting (natural, to be varnished or painted) or plastic skirting.

In E2 class premises, the floor covering is cut around the room edges and the edge clearance is filled using a MS Polymer sealant; the joint can then be covered with skirting.

3.5. ADHESIVE

3.5.1 Permanent adhesive for Saga² tiles

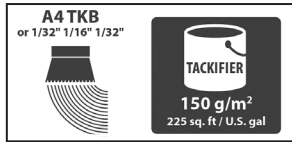
MANUFACTURER	SIKA-CEGECOL	BOSTIK	HB FULLER
PRIMER	Yes	Yes	Yes
ADHESIVE	CG 100 DPA	ADESI-TECH	TEC™ 542
COVERAGE	A4 spreader (TKB Standard) 150 to 200 gr/m ²	A4 spreader (TKB Standard) 150 to 200 gr/m ²	A4 spreader (TKB Standard) 150 to 200 gr/m ²

For any other adhesive, please consult us.

FLOORS IN BUILDINGS

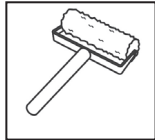
[412] INSTALLATION OF LOOSE-LAY TILES WITH CORK BACKING: SAGA²

APPLICATION OF ADHESIVE WITH SPREADER



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.

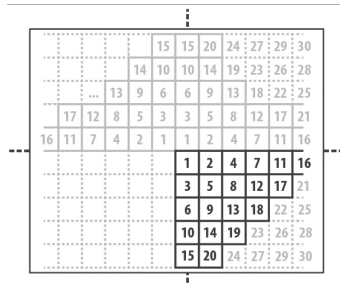
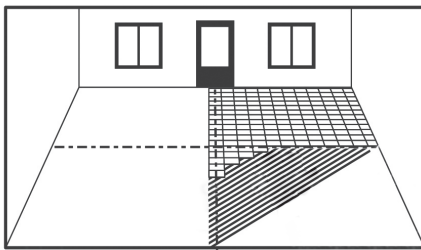
The second pass should be made when the layer of adhesive applied in the first pass is translucent.

Recommendations for application:

- Apply adhesive to an area no larger than can be covered within the working time.
- 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.

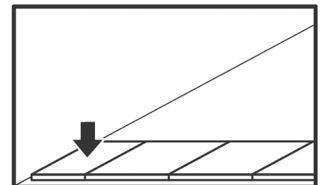
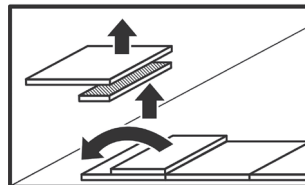
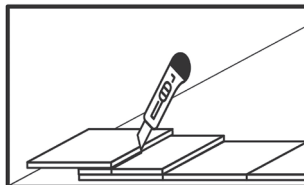
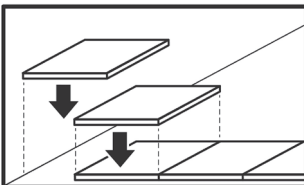
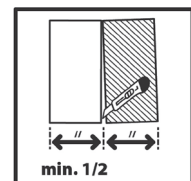
■ 3.6. LAYING THE TILES

- 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.



■ 3.7. CUTS

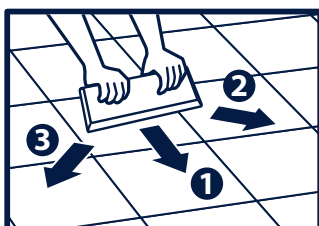
- Position the tile to be cut on the last full tile laid.
- Take a full tile to use as a template.
- Lay it on the tile to be cut, abutting against the partition (or wall); do not leave any edge clearance.
- Mark the tile to be cut along the edge of the template using a cutter with a straight blade.
- Neatly cut the section of the tile to be laid and fit it in place.



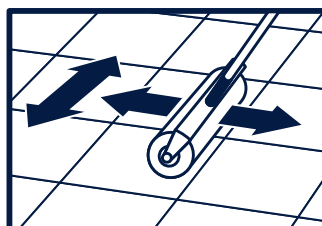
■ 3.8. SMOOTHING

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.



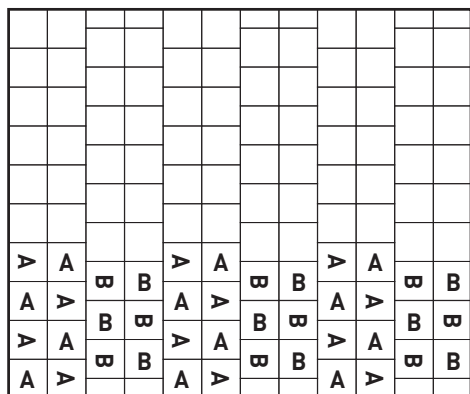
First: manual smoothing



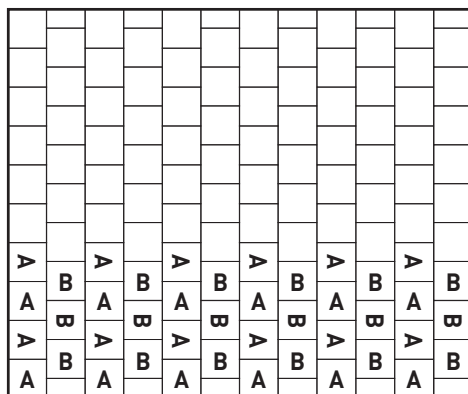
Second: smoothing with a roller

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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.

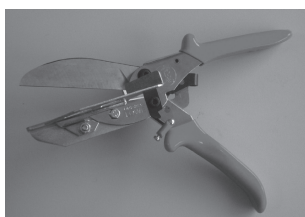
4.2. DOOR FRAME BASES AND SPECIAL FEATURES



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

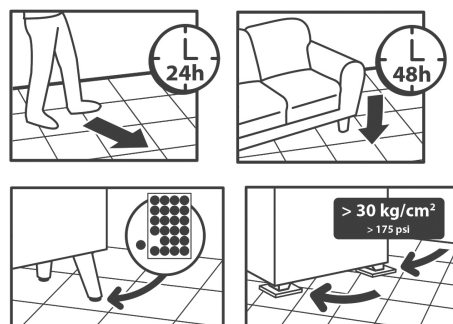
Reference:
Janser: 262 284 000

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