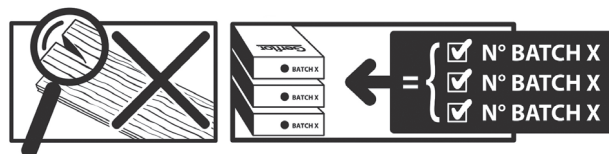


[407] LAYING PRINCIPLE: CREATION CLIC SYSTEM 55 & 70

Before laying the flooring, it is advisable to fully inspect it and to identify any problems with the appearance. If there are visible defects, please notify GERFLOR retailer or representative and wait to hear from them before laying the flooring.



1. AREAS OF APPLICATION

MATÉRIALS	CREATION CLIC SYSTEM 55 [INSIGHT CLIC] PLANKS AND TILES	CREATION CLIC SYSTEM 70 [CREATION CLIC] PLANKS AND TILES
DESCRIPTION	5 mm including 0.55 mm of wear layer In planks or in tiles	6 mm including 0.7 mm of wear layer In planks or in tiles
UPEC OR EUROPEAN CLASSIFICATION	Concrete substrate UPEC: U3 P3 E2 C2 CEN: 33-42 Wooden substrate, calcium sulphate screeds U3 P3 E1 C2 / 32-41	Concrete substrate UPEC: U4 P3 E2 C2 CEN: 34-43 Wooden substrate, calcium sulphate screeds U4 P3 E1 C2 / 34-43
STATIC LOAD RESISTANCE	≤ 30 kg / cm ²	
UNGLUED LAYING SURFACE AUTHORISED	< 150 m ² Beyond this, divide the gluing by 150 m ² area	< 300 m ² Beyond this, divide the gluing by 300 m ² area
AREAS OF USE	Homes, small non-food retail <300 m ² , Hotels (rooms). If a wheelchair is used, we strongly recommend to glue below the swivelling area of the chair(s) with an extra-wide double-sided adhesive tape (min. 50 cm) or to put RIGID PVC non-slip floor protective mats. If handling equipment is used (hand trucks, pallet trucks, trolleys, etc.), the load-bearing area should be glued.	Shops, stores, offices If laying the Creation Clic System 70 in supermarkets: Refer to the specific Retail Installation Guidelines. If handling equipment is used (hand trucks, pallet trucks, trolleys, etc.), the load-bearing area should be glued.

SUBSTRATES

ALLOWED

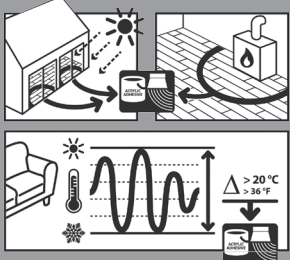
TILES	The floor surface must not have any uneven areas and joints not > 4 mm and not recessed, otherwise, fill them with a grouting product.
CONCRETE FLOOR, PAINTED CONCRETE, LEVELLING CONCRETE, TOPPING, LIQUID CEMENT SCREEDS	If necessary, apply a levelling compound to eliminate any surface irregularities. Sand, dust off.
PVC TILES AND COMPACT ROLLS	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, then lay CREATION planks / tiles after the substrate has dried. Otherwise, the entire flooring will have to be taken up and the substrate prepared from scratch.
PVC FLOOR COVERINGS ACOUSTIC IN ROLLS AND TILES	ONLY IN HOUSING (premises classified U2S or CEN: 23-31): 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, then 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.
VINYL ASBESTOS TILE	Refer to the Technical Guide for Overlaying asbestos floors available with Gerflor (www.Gerflor.com)
LAYING ON GERFLOR ACOUSTIC UNDERLAY	ONLY GERFLOR SILENCE ULTRA 19 dB UNDERLAY (U2S uses or classified CEN 23-31 only) & GERFLOR ACOUSTIC 15 dB are recommended. Prepare the substrate from scratch if necessary. Please check installation guideline N°407A
LAYING ON WOODEN FLOORS OR WOOD-BASED PANELS: AS A GENERAL RULE, SNAP-TOGETHER PRODUCTS CANNOT BE USED IF THERE IS ANY GIVE IN THE FLOORBOARDS WHEN THEY ARE WALKED ON	THE FOLLOWING WOODEN SUBSTRATES ARE ALLOWED: Parquet nailed onto battens spaced no more than 0.30 m apart, with ventilation to the underside. Provide for 19-mm lining boards, as plywood, on floorboards on joists, floating parquet, floating particle boards, OSB boards. Glued parquet on upper floors with no risk of moisture absorption.
UNDERFLOOR HEATING	
UNDERFLOOR HEATING WITH CIRCULATING HOT WATER AT MAXIMUM 28°	Possible. Full adhesion recommended to preserve all the thermal properties of underfloor heating.
RADIANT ELECTRIC UNDERFLOOR HEATING THE REGULATIONS REQUIRE ≤ 0.15 M ² X ° KELVIN / WATT	Gluing mandatory
LOW TEMPERATURE WATER REVERSIBLE UNDERFLOOR HEATING	Possible. Full adhesion recommended to preserve all the thermal properties of underfloor heating.

IMPORTANT: The information in this document is valid from: 01/06/2016 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.

[407] LAYING PRINCIPLE: CREATION CLIC SYSTEM 55 & 70

NOT ALLOWED	
THE FOLLOWING WOODEN SUBSTRATES ARE NOT ALLOWED	Parquet glued directly on earth, floating particleboards
LAMINATED FLOOR	Removal mandatory. Prepare the substrate from scratch.
UNDERLAYER	ONLY GERFLOR SILENCE ULTRA 19 dB UNDERLAYER (U2S uses or CEN 23-31 classified only) & GERFLOR ACOUSTIC 15 dB are recommended. Prepare the substrate from scratch if necessary.
TEXTILE FLOORING (CARPET)	Prohibited. Take up the flooring and prepare the substrate from scratch.
VERANDA, CONSERVATORY	Prohibited.

If the substrate is not included in this list, please contact Gerflor.

LAYING CONDITIONS	 <p>Floor covering laid in temperature-regulated premises TEMPERATURE BETWEEN 15 AND 25°C. Acceptable temperature range after installation: +10° to +30°C. Beyond or below these temperatures, this product must be bonded using adhesive which is resistant to extreme temperature differences and suitable for the application. You are recommended to install temperature regulation (air conditioner) or to stop direct Sunlight from reaching the material (curtains, blinds). Installations in areas close to bay windows, skylights or fireplaces (considerable temperature variation) will require the floor covering to be fixed with two-part polyurethane adhesive (Mapei G 19 or G 20) or acrylic adhesive such as Bostik Power Elastic. If handling equipment is used (hand trucks, pallet trucks, trolleys, etc.), the load-bearing area should be glued.</p>
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SPOT GLUING: This is done on areas exposed to sunlight, which can undergo high temperature variations, on swivelling areas and splitting areas.

SUBSTRATES/ADHESIVES	EXTRA-WIDE DOUBLE-SIDED DRY ADHESIVE, 50 CM TO 1 M (REF DEPENDING ON MANUFACTURER)	ACRYLIC ADHESIVE SPATULA A2 300 / 350 G/M2	GLUE RESISTANT TO HIGH TEMPERATURES
Old tiling	YES Ex: DUOLAY REF GERFLOR : 06410001	NO	NO
Old compact PVC flooring	YES Ex: DUOLAY REF GERFLOR : 06410001	YES Refer to Adhesive manufacturers recommendations	NO
Mineral substrate not subject to rising damp	YES Ex: EXTRA-LAY OF D-TACK + PRIMER D-TACK REMOVE	YES Refer to Adhesive manufacturers recommendations	YES Ex: POWER ELASTIC OF BOSTIK, MAPEI G20 OF MAPEI
Mineral substrate subject to rising damp	NO	NO	NO
Wooden substrate defined in the Installation Guidelines 407 Creation Clic System 55 and 70, paragraph 1: Area of application	YES	YES	YES Ex : POWER ELASTIC OF BOSTIK

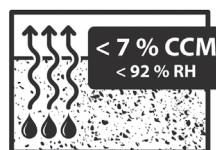
Follow the manufacturer's instructions.

2. SUBSTRATE PREPARATION

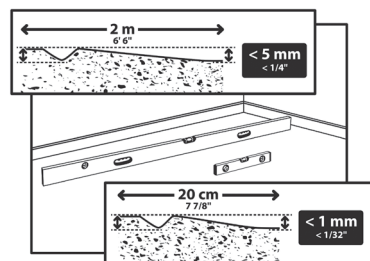
2.1. Substrate requirements



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



- The moisture content must not exceed 7% with a carbide bomb test (Control Carbide Moisture) for concrete. For others check specific regulation.

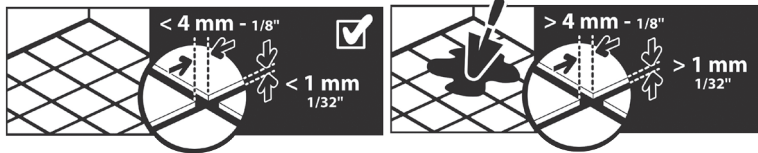


- The flooring must be level to < 5 mm under the 2 metre ruler.
- The floor must not have any uneven areas > 1 mm every 20 cm.
- The substrate must be smooth.

FLOORS IN BUILDINGS

[407] LAYING PRINCIPLE: CREATION CLIC SYSTEM 55 & 70

2.1.1 Existing Ceramic tiles



- The expansion joints or joints tiles not > 4 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:

- **With a substrate moisture content of < 4.5%**, the grouting must meet class P3 specifications
- **With a substrate moisture content of > 7%**, we recommend applying a rising damp treatment before applying a patching 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 level and surface finish.

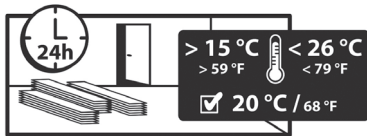
- **Crack treatment:** Treat cracks before applying a patching compound if the unevenness is > 1 mm or there is a gap of > 4 mm

• Joint treatment:

- Contraction joints: Treat joints before applying a patching compound if the unevenness is > 1 mm or there is a gap of > 4 mm.
- Construction joints: Similar to cracks, same treatment.

3. INSTALLATION

3.1. LAYING CONDITIONS



The planks / tiles must be stored where they are going to be laid for at least 24 hours before laying. To avoid major colour Differences, mix the planks

/ tiles from several different boxes from the same series.

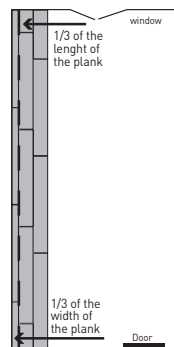
The room temperature during installation must be between 15 and 26°C. Beyond these temperatures, we recommend applying adhesive over the entire surface. All areas with bay windows exposed to direct sunlight or with a skylight, it is important to know the maximum temperatures that can be reached in order to use an appropriate adhesive (polyurethane, epoxy, acrylic resistant to high temperatures, etc.).

3.2. LAYOUT

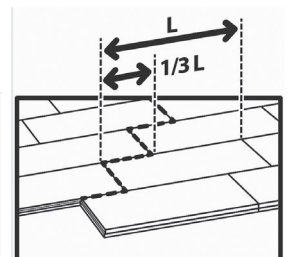
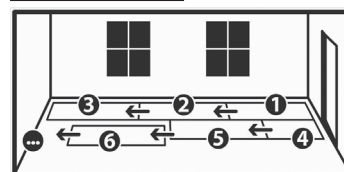
Unless otherwise specified in market-specific documents, the arrangement of planks / tiles must follow these principles:

- Each enclosed room must be considered separately.
- The planks / tiles used in a room must be from the same batch.
- The contractor must carefully analyse the plank / tile layout to meet these requirements:
- In rooms, the planks / tiles must be oriented towards the wall with the main window, or lengthwise.
- In corridors, the planks / tiles must be arranged in the direction of traffic.
- At the edges, the width of the planks / tiles must if possible be the same on both sides.
- At the ends of the rows, the length of the planks/ tiles must be > 25 cm.
- The length of the planks / tiles and the offsets between them must be > 25 cm.

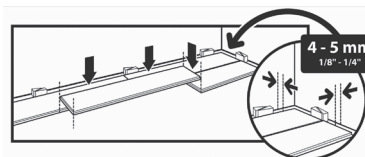
3.3. MARKING OUT THE AXIS



- Measure the width of the room then divide it by the width of a plank / tile. Round up the result to the nearest unit.
- If the result is an even number, the axis will be equidistant from the walls (centred axis).
- If the result is an odd number, shift the centred axis by half a plank / tile width (offset axis).
- Move the centre axis or offset axis by a multiple of the plank / tile width so it runs along the starting wall.



3.4. EDGES



In standard sections, the edge clearance for expansion is 0.1% and 5 mm maximum. The gap must be covered by a finishing profile. In damp rooms, we

recommend applying a MS Polymer or PU sealant under the finishing profile.

- Start laying the planks in a corner of the room.
- Move backwards as you lay the planks, with the tongues facing towards you.

Tongues facing towards you and to the left if you start on the right of the room.

[407] LAYING PRINCIPLE: CREATION CLIC SYSTEM 55 & 70

3.5. INSTALLATION

There are two possible methods:

Method 1:

- Align the joints every three rows. Offset each row by one third of a plank length.
- At the ends of the rows, the length of the planks / tiles must be > 25 cm.

Method 2:

- Laying with "hidden joints". Start the second row with the offcut from the last plank / tile of the previous row.
- The length of the planks / tiles and the offsets between them must be > 25 cm.

3.5.1. Corridors and long lengths

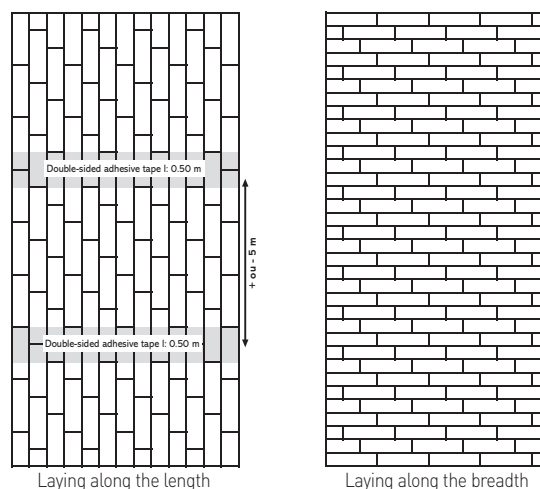
Two options are available for Installation:

Direction of laying along the length of the corridor:

- Divide up the corridor so as not to leave any surface > 5 m without gluing or bonding. Spread out the non-glued zones more or less equally.
- This method avoids the creep (movement) of planks.

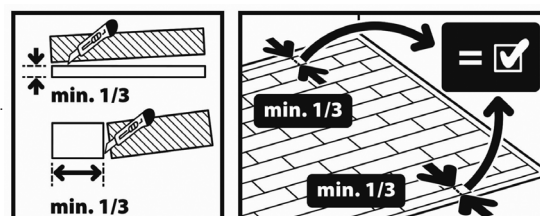
Direction of laying along the breadth of the corridor:

- This method avoids the creep (movement) of planks.



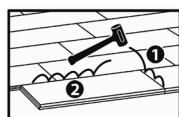
3.5.2. Cutting (procedure, tools, etc.)

- Scribing is used to cut the edges.
- Cuts are made using a cutter:
 - With the straight blade, make one or more cuts along the surface of the Plank/tile.
 - Bend the tile to snap it.
 - Use the hooked blade to remove the burrs
- Never leave tongues on the edge planks.

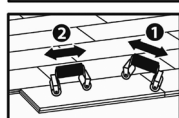


3.5.3. Interlocking (procedure, tools, etc.)

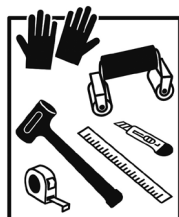
- Make sure that there are no pollution in the machined section before clipping it together.
- Carefully position the groove above the tongue.
- To interlock the planks / tiles:



- Lightly strike the plank / tile with a plastic hammer – first the short edge



- By rolling with a LVT-Clic roller. Position the plank (small side and large side). Always start by rolling the small side by placing your entire weight on the roller. Repeat for the large side.



Tools required:

Knife - Tape measure - Metal rule - Metal tracing wheel - Dead blow hammer - LVT-Clic Roller



Dead blow hammer



LVT-Clic Roller



	ROMUS	GERFLOR
Dead blow hammer	94964	-
LVT-Clic Roller	-	058V0001

4. SPECIAL FEATURES

4.1. SKIRTING

If the flooring is laid before the skirting, GERFLOR recommends Vynaflex skirting or Gerflor Décor Skirting to finish the junction between floor and wall.

In case of renovation where the skirting is already installed, GERFLOR recommends covering this space with a capping strip.

4.2. EXPANSION JOINTS IN SUBSTRATE

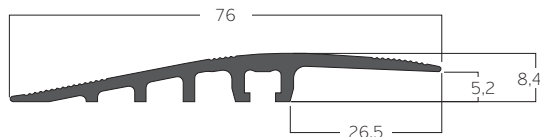
- Flush joints: ROMUS profile CJ 20-5 or equivalent may be suitable.
- Joints with overlay profile: The profile is fitted over the flooring and is secured on one side only.

FLOORS IN BUILDINGS

[407] LAYING PRINCIPLE: CREATION CLIC SYSTEM 55 & 70

■ 4.3. ENDS

Use a 5-6 mm aluminium ramp (0505)



3 m long profile with 9 x 4.3 mm diameter drilled holes

The centre distance between the holes is 313 mm

The first hole is 90 mm from the end

Deburr the holes after drilling

TFZ 4x50 mm screw and 6x30 mm dowel for RMP4 / 5, 6, 12.5 and 15 mm

TFZ screw, Ø 4 mm and length 50 mm Dowel, Ø 6 mm and length 30 mm



■ 4.4. DOOR FRAMES

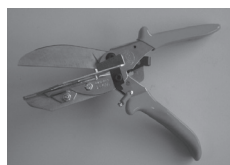
- Cut the planks / tiles, possibly using high leverage gripper shears.



Gripper shears

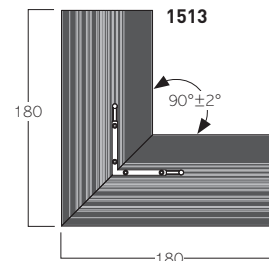
Reference: Romus: 93415 / Janser: 237 530 000

For cutting around door frame bases and areas which are difficult to access available from Gerflor.



High leverage gripper shears

Reference: Janser: 262 284 000



Inside corner profile

Packaging: 4

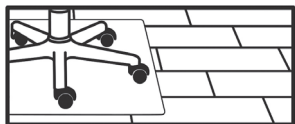
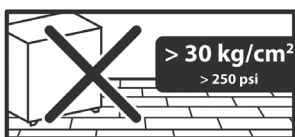
Supplied with 8 screws, 8 plugs and 4 connectors

Dimensions: 180 x 180 mm

■ 4.5. CONNECTION TO ADJACENT ROOMS

To join two rooms with CREATION planks/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 including DINAC and ROMUS.

5. FIRST USE



The flooring can be used as soon as it is laid. Take precautions before using heavy furniture and wheel chairs (gluing or floor protective mats). Do not use rubber feet on furniture (risk of black stains).

6. CARE



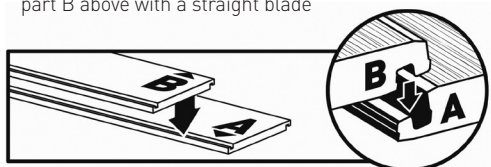
The maintenance guides for Creation Clic System 55 and 70 are available on the website www.gerflor.com

[407] LAYING PRINCIPLE: CREATION CLIC SYSTEM 55 & 70

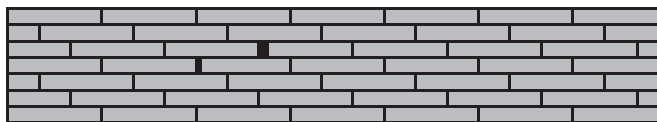
7. REPAIRS

■ 7.1. IN CASE OF DAMAGE OR BREAKING OF THE TONGUE (SMALL SIDE) OF A PLANK OR SEVERAL PLANKS:

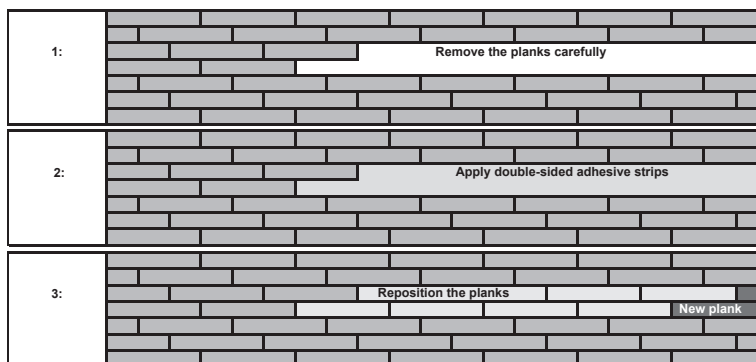
- Mark the laying direction of planks/tiles
- Unclip at an angle the side of the plank/tile that has part B above with a straight blade



- Unclip the plank / tile by sliding a screwdriver between the part A and B
 - Unclip all planks / tiles to be replaced
 - Apply double-sided adhesive tape (width to be defined: 100 or 500 mm) at the place of the planks / tiles are to be replaced
 - Put back the planks / tiles whose small side clipping is not damaged
 - Complete the length with planks / tiles whose damaged clipping has been properly cut
- or
- Replace the damaged planks / tiles with new planks/tiles



Small sides broken



You are recommended to keep back a stock to replace damaged planks / tiles in future, to avoid differences in colour tone.

■ 7.2. IF THE PLANK REQUIRES REPLACEMENT

- Mark the laying direction of planks/tiles
- Unclip at an angle the side of the plank/tile that has part A above with a straight plank / tile
- Unclip the plank/tile by sliding a screwdriver between the part A and B

