

[702] DIRECT GLUE-DOWN ON SURFACED PAVING ACCORDING TO THE DRY-TEX™ PROCESS

■ 1 - SUBSTRATE

Definition of substrates

- Assembled screeds
- Screeds or slabs on insulation
- Concrete floors on upper levels

These subfloors must be free from any risk of humidity at the time of installation and life long. Relative Humidity must be < 75% RH.

This type of installation is recommended for use on upper levels, heated floors, old compact sports flooring, still glued correctly.

For all other subfloors, please contact us.

1.1 - The permitted substrates of this type are as follows:

- Surfaced paving
- Integrated and separate bonded screed
- Screed or slabs on insulating material.
- Concrete floor on upper floors

1.2 - Rising damp in paving laid directly on earth:

The Dry-TEX™ process under A T allows installation, has long as we have no visible water on the surface of the substrate and the room is closed off to the elements.

1.3 - Joints

We can distinguish various tile joints. Unless otherwise specified in market-specific documents, joints are plugged to prevent the intrusion of hard objects.

IMPORTANT: This plug will have to be removed before laying the Dry-TEX™ Process.

1.4 - Nominal paving thickness

In accordance with the requirements of Standard NF P 11-213 (DTU 13-3), the paving thickness shall not be less than 130 mm.

■ 2 - MATERIALS

Differences in width (tolerances) may exist between the Taraflex® Sport rolls. Gerpur reactive mono-component adhesive from Gerflor.

It is advisable to examine the material when laying flat and prior to installation. If there are any visible defects, you should inform GERFLOR before using the material.

■ 3 - ACCEPTANCE AND PREPARATION OF SUBSTRATE (ACCORDING TO NF P 62-203 (DTU 53-2))

3.1 Acceptance and inspection

The inspections to be performed during the recognition of substrates can be carried out only if the substrates are clean and free of deposits, waste, traces of paint, or plaster and perfectly dusted. Vacuum cleaner is the most suitable means for dusting. In any case, the statement of inspections must be drawn up jointly in the presence of the owner, the architect and/or general contractor and must be recorded in a "Contradictory Report" that must be sent to them (see Appendix A - Normative).

3.2.3.2 Moisture

The Dry-TEX™ process under A T no. 12/08-1548 allows installation on a substrate without bleed water on the surface, with humidity up to 92 % RH.

3.3 - Treatment of contraction joints, cracks and micro-cracks

Less than 4 mm

- For the Dry-TEX™ process, contraction joints, cracks or microcracks less than 4 mm, control Joints and cracks less than 1 mm need not be treated.
 - Scrape, clean and vacuum the joints only.
 - During gluing, move over the joints with the "Gerpur M" adhesive Ref 086C 0083, without trying to fill them.
 - Then move the spatula upright in the joints to let the adhesive flow down.
 - Do not fill them completely to avoid having a surplus of glue around the joint.

Greater than 4 mm

- However, contraction joints greater than or equal to 4 mm, control joints and cracks greater than or equal to 1 mm must be treated with sanded epoxy resin. After hardening, sand the resin to scratch it. This will promote the adhesion of the Gerpur adhesive on the resin.
- The company will warn the owner so that he may ensure that necessary work is carried out to treat joints and cracks.



- Expansion joint: (located outside play areas). This type of joint will be treated with a MIFASOL type profile Ref.: 20.5 from COUVRENEUF.

3.4 - Surface cohesion

The substrate surface cohesion is checked by means of a scratch test (using a floor hardness tester). If in doubt, an adhesion test is carried out. In case the surface cohesion is less than 0.5 MPa, it is not possible to lay a glued-down PVC floor covering.

3.5 - Porosity

The Dry-TEX™ process does not require a porosity test.

3.6 - Evenness

Substrate evenness tolerances in accordance with Standard NF EN 14904.
Or: 6 mm under 3 m straight-edge, which is equivalent to approximately 4.5 mm under 2 m straight-edge.

3.7 - Curing

Prior to the installation of the Dry-TEX™ process, it is necessary to remove the applied curing compound, by any appropriate methods.

■ 4 - INSTALLATION

4.1 - Substrates and substrate requirements

4.1.1 - New substrates

Hydraulic binder-based paving, reinforced and not reinforced (without restriction on crack opening indicated in market-specific documents and with a smaller cross-section of reinforcements), according to standard NF P 90-202, executed in accordance with Standard NF P 11-213-2 (DTU 13.3-2).

Preparatory work

To be carried out in case surface evenness (6 mm under 3 m straight-edge) is not ensured by the structural work - masonry company in agreement with the flooring company.

- **Treating bumps:** By sanding and thorough vacuum cleaning.

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• Treating low points:

- Surface evenness < 10 mm: pure fluid epoxy resin such as Bostik Eponal 336, or Mapei MF primer, followed by sanding.
- Surface evenness > 10 mm: resin mortar such as SIKKA (Sikatop 121 surfacing, Lanko (730 lankorep fin), Mapei (mapegrout), NF brand: repair products for concrete structures

They are applied according to the manufacturer's technical data sheets while meeting the following requirements:

- Min. surface cohesion 1 Mpa
- Raw edges - cutting with angle grinder)
- Moistened substrate
- Surface condition: float smoothed finish



Applying resin mortar while cutting

- **Treating joints less than 4 mm and cracks less than 1 mm:** scraping, cleaning and vacuum cleaning.
- During gluing, move over the joints with the "Gerpur M" adhesive Ref.: 086C 0083, without trying to fill them.
- Move the spatula upright in the joints to let the adhesive flow down.
- Do not fill them completely to avoid having a surplus of glue around the joint.

- **Treating expansion joints:** they are treated by installing the RM profile supplied by Gradus.
- **General sanding:** by sanding using a scraper plate with carbide blades such as Romus Hexascraper and thorough vacuum cleaning: It helps to remove curing compounds.
- **General cleaning of the substrate:** by thorough vacuum cleaning using an industrial vacuum cleaner.

4.1.2 - Refurbished surfaces

After removing the old floor covering and the existing floor finish: Hydraulic binder-based paving, reinforced and not reinforced, according to Standard NF P 90-202 and executed before March 2005, the date of entry into force of Standard NF P 11-213-2 (DTU 13.3-2) and meeting the following requirements:

- Surface evenness of not less than 6 mm under 3 m straight-edge.

Preparatory work

To be carried out in case surface evenness (6 mm under 3 m straight-edge) is not ensured by the installation company.

- Removing the existing floor covering: The entire floor covering is removed, including trace of adhesive and the entire floor finish. The concrete surface is stripped. The stripped concrete surface is then prepared as follows.
- Mechanical preparation: by grinding or sanding and then cleaning.
- Treating bumps, low points, joints and cracks (see new substrates).

■ 5 - UNROLLING THE MATERIAL (24 hours before it is glued down)

- Minimum substrate and ambient temperature 10°C, maximum 30°C.
- Draw two chalk lines on the substrate to mark the transversal and longitudinal axis of the room given by the post ducts.
- Unroll and lay the rolls flat for 24 hours; this is done by numbering the lengths, keeping them in order, and leaving 1 cm between each roll.
- The rolls will be laid according to the transversal axis along the longitudinal axis or, for two-tone installations, according to a precise layout.
- Smoothing with a flooring roller will make laying flat easier.

CAUTION: The rolls will always be unrolled from the centre of the room.

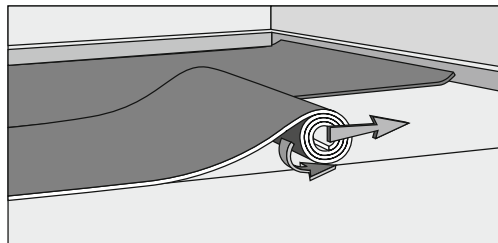
- The end of the material near the cardboard tube must be laid along walls.

■ 6 - INSTALLING THE MATERIAL (just before it is glued down)

Install the rolls closest to the longitudinal axis, leaving a 1-mm gap between each roll.

Example:

1	2
3	4
5	6
7	8
9	10



■ 7 - GLUING

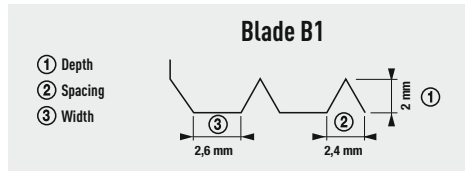
- The rolls are glued down 24 hours after they are laid flat.
- When gluing, fold the rolls back half way.
- The substrate and the textile backing of the floor covering are carefully vacuum cleaned before the strips are glued down.
- Start gluing the middle rolls first on either side of the longitudinal axis
- The flooring is laid using the single bond method with adhesive applied using a serrated spatula (type B1 - TKB standard) with a coverage of 400 to 450 g/m². The spatula blade will need to be changed regularly to maintain this coverage: 1 blade every 100 m².
- Move the spatula upright in the contraction joints to let the adhesive flow down. See paragraph 3.3.
- The amount of adhesive, contained in a drum, can be used to glue down approximately 35 m², without applying more adhesive.
- Time before laying: 15 to 20 min.
- Working time: 1 hour (corresponds to the worst-case scenario with a RH of 100%. The cross-linking speed depends on the ambient humidity)
- If the rolls are bent at the end of the roll (near the tube), distribute heavy loads over a panel on the material for 12 hours. (E.g.: Taraflex® Sport DTX™ roll, adhesive container or flooring roller on a panel).
- Avoid moving or storing heavy loads until the next day. (E.g.: Taraflex® Sport DTX™ roll, adhesive container or flooring roller)
- Do not remain in static position on freshly glued down rolls to prevent adhesive creep.


Adhesive stains: Clean spilled adhesive (while it is still wet) and tools using petrol C.


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■ 8 - SPATULA OR TROWEL FOR GLUING DOWN

The substrate is glued down with GERPUR adhesive, using a rigid spatula, a trowel or a smoothing trowel equipped with interchangeable B 1 blades (TKB standard).

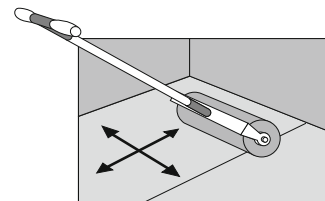


TYPE OF SPATULA WITH INTERCHANGEABLE BLADES			
	Manufacturer	18 / 21 cm spatula	Blades B1
	JANSER	262 331 000	262 314 000
	WOLF	41 784	13 370
	GERFLOR	0535 0001	0533 0001

TYPE OF TROWEL, FLOAT, SMOOTHING TROWEL WITH INTERCHANGEABLE BLADES			
	Manufacturer	Trowel	Blades B1
	JANSER	262 340 000	262 322 000

■ 9 - SMOOTHING

- Smoothing is required and should be done only with a 50-kg flooring roller.
- No manual smoothing with a cork block.
- Smooth 20 minutes after laying the material in the adhesive.
- Smooth each roll in both directions starting along the width of the rolls and finishing along the length.
- Do not leave the roll in static position on freshly glued down rolls.
- Do not remain in static position on freshly glued down rolls.
- It is not necessary to use load-distribution panels to move over the material.



■ 10 - HOT WELDING (AFTER 12 HOURS)

10.1 - Chamfering

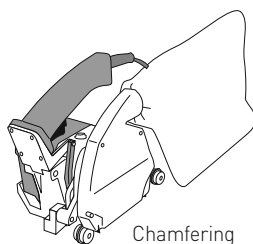
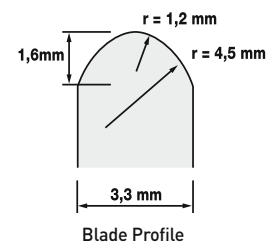
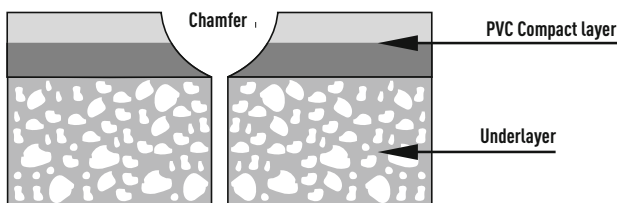
Chamfering allows the joint to be opened and corrected, to remove any traces of adhesive that may impair the quality of the weld.

There are two chamfering methods:

- Manual using an appropriate tool (triangle, rule),
- Mechanical using an electric chamfering machine fitted with a 3.3 to 3.5 mm tool.

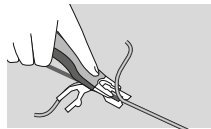
The entire thickness of the wear layer must be chamfered, but not the foam underlay.

(Special case: For the TARAFLEX® SURFACE, chamfer the wear layer less 0.3 mm).



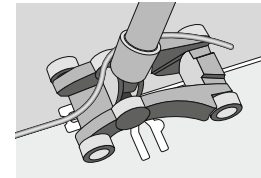
10.3 - Trimming

- Using a MOZART knife: rotate the levelling guide to 90° on the side. Level the welding cord after it has cooled down.



TOOLS	GERFLOR CODE
MOZART knife	0561 0001
Spare blades	0542 0001

- With a Joint plane: rotate the levelling guide to 90° on the side. Level the welding cord after it has cooled down. Tool available with Janser or Romus.

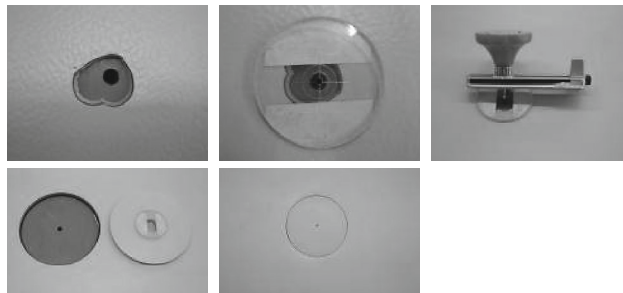


10.4 - Finishing

There are accessories for a meticulous finish around the reserved allowances:

- Circular cutter equipped with a cutting centre finder.

(Ref.: 262 262 500 - JANSER)

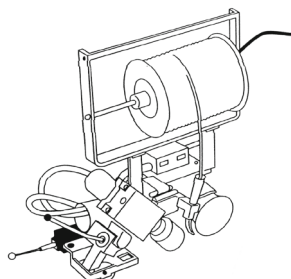
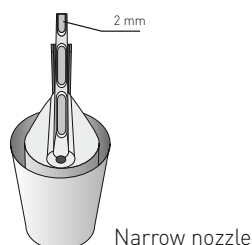


10.2 - Automatic welding machine

Welding is carried out using a LEISTER UNIVERSAL or UNIFLOOR hot air welding machine with electronically controlled heating, fitted with a narrow multi-outlet nozzle designed for this purpose.

Nozzle codes: JANSER : 225 860 040

LEISTER : 105 407



IMPORTANT: If you need any information on the material, GERFLOR will be pleased to assist you.

IMPORTANT: commissioning deadlines:

- For normal pedestrian traffic, commissioning takes place 24 hours at least after completion of the work.
- For the installation of sports equipment and the traffic of rolling loads it is necessary to wait 72 hours.
- It is necessary to distribute the static and dynamic loads when setting up in the table tennis table room folded or open, referee tables, or use of carts solid storage, removable basketball boards, approved equipment, elevating platforms, forklifts, utilities...

The raceways and distribution plates must be dimensioned and positioned according to the loads.

See [803] STATIC AND DYNAMIC LOAD.

Do not use furniture with rubber feet .