

[705] TARAFLEX™ SPORT M COMFORT

INSTALLATION GUIDELINES

The foam of the Taraflex™ SPORT M COMFORT can also be completely glued if the concrete slab have an effective moisture vapor barrier and the substrate moisture levels shall not exceed 5-lbs / 80% RH

■ 1 - SUBFLOORS

Glued installation over a Taraflex™ Sport M Comfort foam underlay does not preclude preparing the subfloor to make it FLAT, SMOOTH and SOUND: please see the sections on "recommendations according to subfloors and advice on identifying and preparing subfloors" in the Dry-Tex™ installation guide.

Gerflor accept humidity in the slab which is < 7% at 4cm with the Control Carbide Moisture or < 8 lbs/1000sq.ft / 24h with the ASTM F1869 or < 92% RH with the BS 8203 (ASTM F2170).

Do not install SPORT M COMFORT on a radiant heating subfloor.

■ 2 - FLOORING MATERIALS

Slight width differences (tolerances) may exist from one sheet to the next.

- 5 mm-thick Sport M Comfort foam underlay
- Taraflex™ Sport Evolution

Before installing the flooring materials, inspect thoroughly to detect any visual defects.

In the event of a visual defect, the installation contractor is responsible for informing Gerflor about it before laying work begins.

■ 3 - ROLLING OUT THE 5 MM-THICK SPORT M COMFORT FOAM UNDERLAY FOR THE TARAFLEX™ SPORT M COMFORT SYSTEM (46 m X 1.50 m)



HANDLE WITH Nitrile gloves to avoid electrostatic discharge.

3.1 Laying conditions

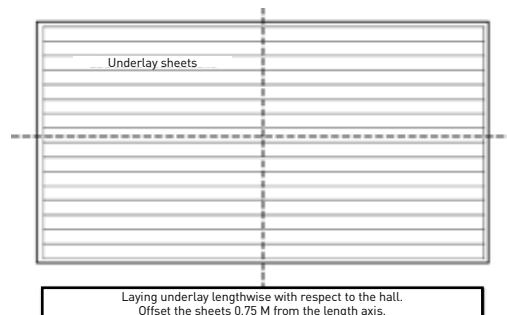
- Minimum indoor temperature must be above 10°C.
- Minimum floor temperature must be 10° C.
- The temperature range for adhesives is +10°C to +30°C.
- When installing, indoor temperature must be at least + 10° C and at least 3° C above dew-point (when atmospheric moisture starts condensing on the substrate).

3.2 Rolling out the 5 mm-thick Sport M Comfort foam underlay for the Taraflex™ Sport M Comfort system (width 1.50 m)

Strike the longitudinal and transversal axis between the anchor points. Strike a parallel line with a 75 cm offset to the length axis.

Place the foam underlay against this line and roll it out lengthwise edge to edge. The sheets will be positioned starting from the wall and rolled out along the longitudinal axis. **Butt joint are not permitted on the main area.**

■ 4 - BONDING ALONG EDGES AROUND AND OPPOSITE



ACCESS AND STORAGE AREAS

ACRYLIC GLUE

- Fold back the sheets half way and draw or strike a line along sheet edges as a guide for applying a 10 to 15 cm strip of adhesive on both side of this line.

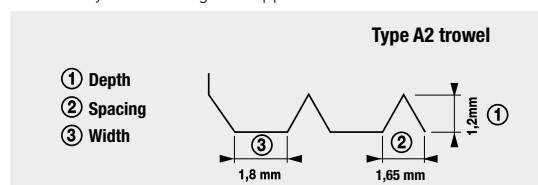
Apply the glue or adhesive in a strip 10 cm to 15 cm wide on either side of the chalk or pencil line.



Butt joint are not permitted on the main area

4.1 - Acrylic glue

- Glue or permanent adhesive is applied single spread.
- Apply using a fine-toothed trowel A2 Norm TKB or 1/16" x 1/16" x 1/16" square notch (1.6 mm x 1.6 mm x 1.6 mm). Rate coverage is at a spread rate 300 to 350 gr/sqm, 125 - 185 sq. ft. per US gallon, (3.06 - 4.53 m² per liter).
- Maintaining this spread rate involves changing trowel or roller on a regular basis.
- Carefully follow the glue supplier's instructions.



Recommendations for gluing

Carefully observe tack time, which depends on the temperature, relative humidity, substrate porosity and consumption.

NB: Regularly check trowel or roller for wear and change as often as required to maintain glue or adhesive consumption at the recommended value.

Clean (fresh) glue marks and tools with water or a thinner recommended by the manufacturer.

NB: DO NOT APPLY GLUE AROUND OPENINGS.

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■ 5 - ROLLING THE UNDERLAY

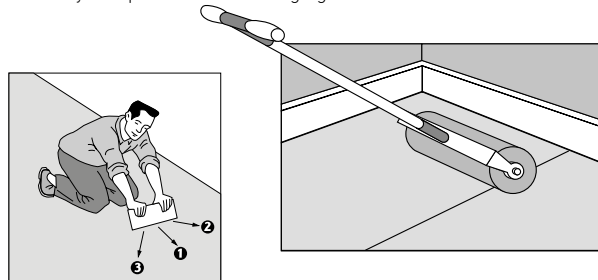
Rolling is compulsory and necessary to provide correct transfer of the acrylic.

Rolling is performed in two stages:

Manual bubble removal at the time of application using a cork wedge.

Rolling glued areas ONLY using a 50 kg roller.

Do not roll non-glued areas with a heavy roller which could make the underlay creep and/or cause bulging.



Joints do not require seaming by hot or cold welding.

■ 6 - ROLLING OUT THE TARAFLEX™ SPORT M EVOLUTION SPORTS FLOORING MATERIAL

6.1- Laying conditions

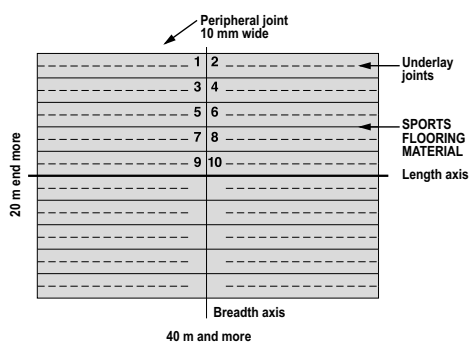
Minimum indoor temperature must be above 10°C.

6.2- Rolling out the Taraflex™ Sport M Evolution

- To carry the rolls of Taraflex™ Sport, use a trolley equipped with air wheels.

Don't leave the rollsup on static stand on the foam.

- Strike the lengthwise axis on the foam underlay as shown below.
- Roll out the sports flooring material along the length axis.
- Leave 1 cm between each roll.
- The end of the material near the cardboard tube core must be placed along walls.



6-3- Laying the flooring material

The next day, the rolled out sheets of Taraflex™ Sport M Evolution material can be laid along the axis leaving 1 mm between sheets before gluing.

■ 7 - GLUING - Acrylic gluing (Compact / Compact)

Use a compact / compact acrylic glue for compact / compact coverings.

7.1- Glue application

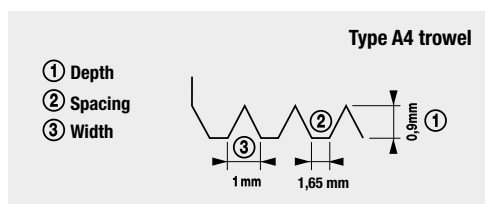
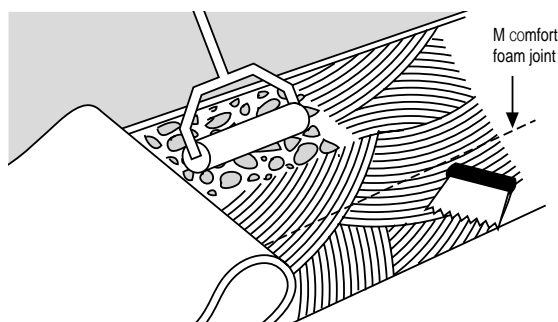
Glue is applied 24 hours after positioning the sheets. Acrylic emulsion glue is applied single spread using a fine-tooth trowel A4 Norm TKB or 'U' notch 1/32" x 1/16" x 1/32" (0.8 mm x 1.6 mm x 0.8 mm)

At a rate coverage of 150 to 200 g/sqm

185 - 245 sq. ft. per US gallon (4.53 - 6.0m² per liter).

Use after covering the glue a short wool paint roller.

The spread rate depends of glue density.



To ensure correct tack time and eliminate water, it is absolutely necessary to flatten the ridges of glue during application using a medium-pile wool roller.

This operation eliminates water, which may re-disperse the glue. It is crucial to wait for the glue to fully tack. Room temperature and relative humidity can have a significant effect on tack time. To accelerate tack time, we recommend that you ventilate the hall using the appropriate means (blower, fan).

Recommendations for gluing:

As the glue is designed for bonding impermeable / impermeable materials, it is vital to wait for the film of glue to tack fully. Insufficient tack time will cause bulges to form.

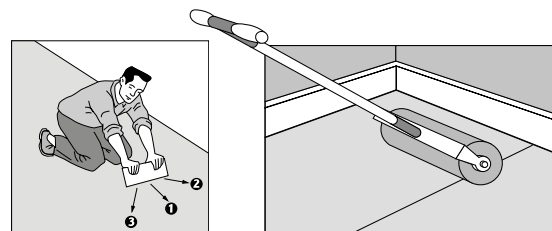
7.2 Laying the sheets

Fold back the sheets halfway to apply glue. Begin application with the central half-sheets on either side of the length axis. Fold back the second halves and proceed likewise, then apply to the neighbouring sheets edge to edge leaving a gap of 1 mm + or - 0.5 until the reaching the walls.

■ 8 - ROLLING THE MATERIAL

Rolling is compulsory and is performed in two stages:

- Manual bubble removal at the time the sheets are laid.
- Rolling the entire surface several times using a roller no sooner than 1 hour after gluing, working outwards from the breadth axis.



■ 9 - HEAT WELDING (12 HOURS LATER)

9.1 Routing / Grooving

Routing provides open, regular joints and removes any traces of glue detrimental to weld quality.

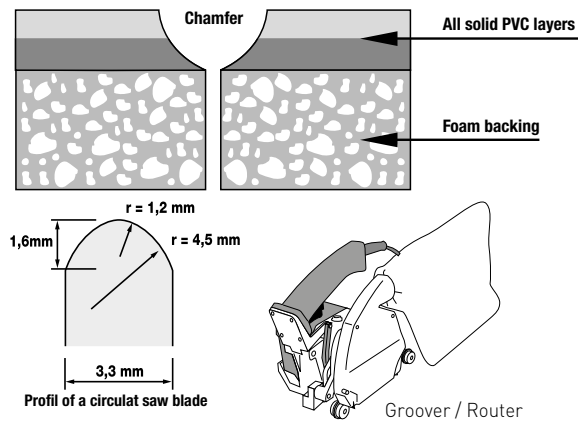
Two routing methods may be used:

- manual, using an appropriate tool (triangle, ruler)
- mechanical, using an electric router fitted with a 3.3 to 3.5 mm countersink cutter.

Route out the entire thickness of the wear layer but do not penetrate into the foam.

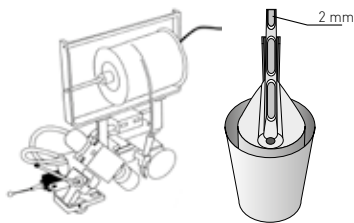
SPORTS FLOORS

[705] TARAFLEX™ SPORT M COMFORT INSTALLATION GUIDELINES



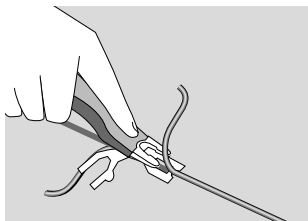
9.2 Automatic welding machine

Use a LEISTER UNIVERSAL or UNIFLOOR-type machine with a variable temperature hot air gun and a specially designed multi-outlet nozzle. Nozzle part number: ROMUS: 95254
JANSER: 225 860 300
LEISTER: 105 407



9.3 Trimming weld rod

Trimming must be done in one pass. Using a trimming tool sharpen in the middle only, such as the Mozart, is recommended. Trim has to be done with the trimmer only. This method prevents concave welds and must be done when the rod is cold.

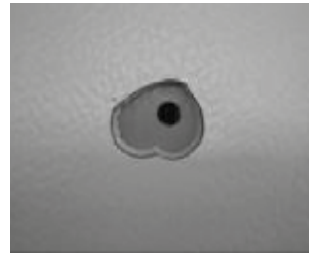


Available from Gerflor - Ref. 0561 0001 - Spare blade - Ref. 0542 0001

10 - FINISHING

Accessories are available to achieve attractive trims around openings:

- To avoid level differences the Foam backing / Taraflex™ sports floor material composite will be glued to the cover over the opening.
- Circle cutter fitted with a centring device (part 262 262 500 – Janser)



IMPORTANT: GERFLOR is at your disposal for advice concerning equipment.



IMPORTANT: commissioning timeframes:

- For normal foot traffic, commission the floor no earlier than 24 hours after work completion.
- For installing sports equipment and rolling traffic, a period of 72 hours is required before commissioning.
- Because of foam underlay thickness, weight distribution plates must be installed under heavy static and dynamic loads.