



## **INSTALLATION INSTRUCTIONS** **SPORT FLOORING OVER ISOLSPORT**

These instructions are specifically written for the installation of the following products:

Product	Thickness	Width	Installation direction	Seams welded
Recreation 45	4.5 mm	Approximately 4' 11"	Same	CR 50
Recreation 60	6 mm	Approximately 4' 11"	Same	CR 50
Recreation 85	8.5 mm	Approximately 4' 11"	Same	CR 50
Multi-Use 6.2	6.2 mm	Approximately 4' 11"	Same	CR 50
Sport M	7.5 mm	Approximately 4' 11"	Same	CR 50
Sport M Performance	9 mm	Approximately 4' 11"	Same	CR 50
IsolSport	1.2 mm	Approximately 6' 6"	Same	None
Welding Rod	5 mm			CR 50

**Important Note:** Before installing, refer to Gerflor USA Installation Handbook for acclimation, job site conditions, subfloor prep, and other general installation recommendations.

### **1. GENERAL INFORMATION**

- 1.1. Gerflor Sport products are formulated to withstand high moisture conditions. To perform as designed, the concrete must be properly prepared to create a contaminate free and porous substrate.
- 1.2. Gerflor Sport products are not designed to withstand hydrostatic or osmotic pressure.
- 1.3. *The guidelines offered within this document are not intended to be all inclusive. Only qualified, professional flooring technicians experienced in the field of resilient flooring should proceed with this installation system.*
- 1.4. It is recommended to mechanically prepare the concrete via grinding or bead blasting the surface to achieve a CPS 1+, clean and porous substrate.
- 1.5. Moisture and pH testing must be performed in accordance with ASTM F710-22.
- 1.6. Adhesive bond tests are recommended to ensure adequate bonding to the substrate.
- 1.7. Do not install material that has visible defects or damage. A contractor that installs material that has visible defects or damage assumes responsibility for that material.

### **2. DRY LAY OF ISOLSPORT**

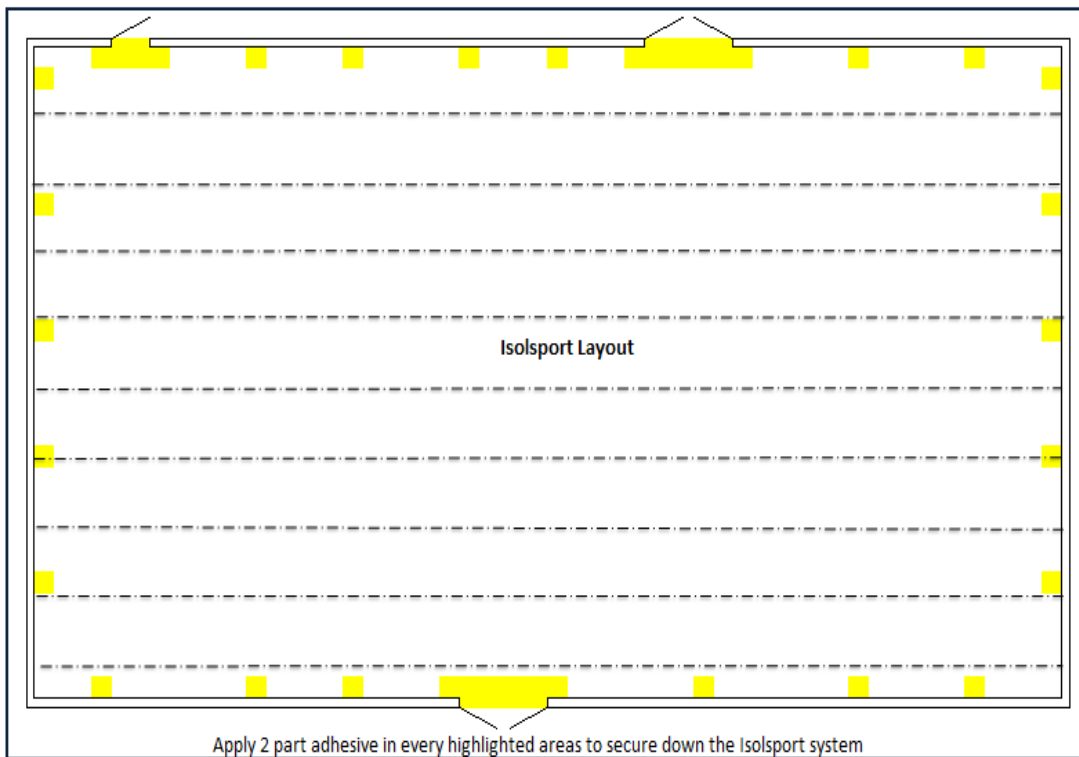
- 2.1. Unroll flooring following the roll sequence numbers.
- 2.2. Mark the center starting line.
- 2.3. Unroll the first length of material along this chalk line and then work progressively outward, gapping the sheets of IsolSport ¼" to allow the material to relax for at least 16-24 hours.
- 2.4. Seaming should be kept to a minimum and avoid cross seams as much as possible. Place seams in areas exposed to the least amount of traffic.
- 2.5. Before applying the adhesive, bring the loose sheets of IsolSport tight together.

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#### 3. INSTALLATION OF ISOLSPORT UNDERLAYMENT

- 3.1. While the seams of the Sport product will start from the center of the court, underlayment seams must be staggered by at least 6" from those of the Sport product.
- 3.2. **IsolSPORT must be loose laid in the field area.** Use the selected adhesive to adhere door entrances and apply a two-ft band, spaced every 10ft around the perimeter. (See drawing)
- NOTE: Do not apply a full band of adhesive around the perimeter, the space between the adhesive needed for potential subfloor moisture to escape.**
- 3.3. Head seams of IsolSPORT must be glued down.



#### 4. INSTALLATION OF SPORT FLOORING OVER ISOLSPORT

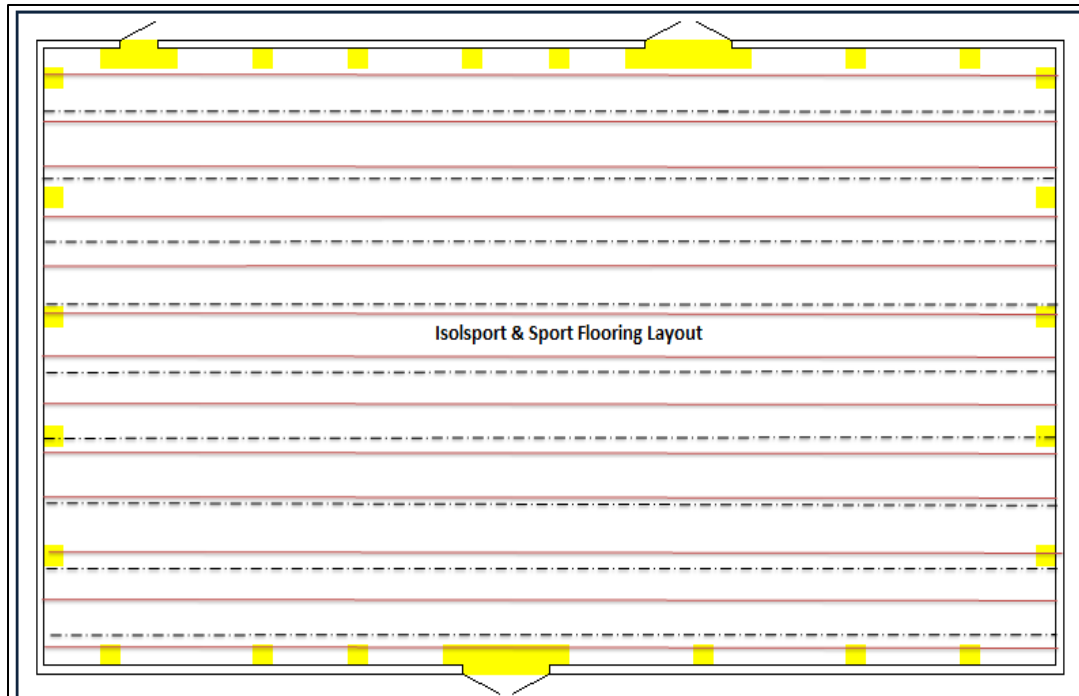
##### 4.1. DRY LAY OF SHEETGOOD

**NOTE:** Taraflex is recommended to be installed with *random* side seams. Due to slight stretching from being rolled, we do not guarantee a perfect side or end pattern match if attempted.

- 4.2. Mark the center starting line.
- 4.3. Follow roll sequence numbers.
- 4.4. Unroll the first length of material along this chalk line and then work progressively outward, leaving a 1/4" gap between the sheets and allow the material to relax for at least 16-24 hours.
- 4.5. Seaming should be kept to a minimum and avoid cross seams as much as possible. Place seams in locations where game lines go if possible.

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- Dotted lines are showing the seams of the Isolport.
- Red lines are showing the seams of the sport product.

#### 5. INSTALLING TARAFLEX SHEETGOODS

- 5.1. Reposition sheets to allow for no more than a  $\frac{1}{32}$ " gap between them to allow for proper heat welding. **Wider gaps will compromise the integrity of the weld.**
- 5.2. In most cases, factory edges can be used for side seams. Sheets that may have minor edge damage or distortion must be trimmed and removed prior to installation of the sheets.
- 5.3. Leave material 4"-6" longer on each end for trimming after placement. *Do not net cut material to the final trim until the application of the adhesive.*
- 5.4. Before applying the adhesive, ensure gap between the sheets to a uniform  $\frac{1}{32}$ " along the entire length. Overlap edges and trace cut if necessary, to achieve consistent seam gap. This gap will act as a guide for the groover when preparing to heat weld.

#### 6. INSTALLING USING STYCCOBOND F 49 ADHESIVE

- 6.1. Refer to the **Styccobond F49 Adhesive Technical data Sheet**
- 6.2. Follow the guidelines indicated on the pail of adhesive.
- 6.3. F, Ball Styccobond F49 is a 2-part acrylic adhesive that has a 90 minutes pot life once mixed and 2 hours working time once the adhesive has tack-up and does not transfer to the touch. Adhesive open time and working time will vary based upon site condition.
- 6.4. The use of fans is acceptable to speed up the drying time. Be sure to not let debris get into the adhesive.



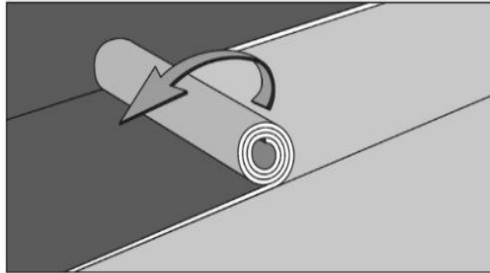
## INSTALLATION INSTRUCTIONS SPORT FLOORING OVER ISOLSPORT

- 6.5. Trowel the adhesive onto the substrate using a 1/32" x 1/16" x 5/64", 'U' notched trowel covering from 500 to 600 sq. ft. per pail. Proper adhesive coverage is required to effectively bond the material. As such, it is imperative to use the proper trowel as well as maintaining the proper notch size over the course of the entire floor. Replace trowel blades often. **Inadequate application of adhesive will void the warranty.**

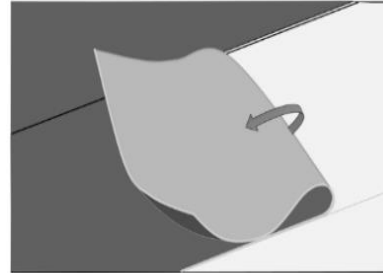
**Note:** It is important to let the adhesive dry **COMPLETELY** before installing.

- 6.6. Beginning from the control\starting line and working outward, fold the sheets halfway back along the width (fold back method) or roll the sheets halfway back (roll back):

**Roll back method**



**Fold back method (along width)**



- 6.7. Working with one roll at a time, apply the Stycobond F49 adhesive to the subfloor or the red foam. Always start gluing from the rolled or folded edge first – glue working away from the roll or fold.
- 6.8. Never pre-cut material to final trim until it is applied into the adhesive. Leave material 2"-3" longer for trimming after placement.
- 6.9. To ensure uniform adhesion of the entire surface, apply a workable amount of adhesive at one time.
- 6.10. Avoid overlapping adhesive or creating a buildup at all start and stop points. Excess adhesive can leave a ridge that will telegraph into the finished floor. Glue and roll the entire run (wall to wall) before proceeding to the next run of material. Use a wet-soapy rag or denatured alcohol to immediately clean up any fresh adhesive that gets on the vinyl surface. Clean any dried adhesive with denatured alcohol.
- 6.11. Immediately after troweling the adhesive onto the concrete use a medium napped paint roller saturated with adhesive to flatten out visible trowel marks and even out the adhesive. A double arm roller frame is recommended to ensure an even coat of adhesive.
- 6.12. Maintain a uniform spread rate. Replace trowel (or trowel blade) with every pail used.
- 6.13. Once the adhesive is applied, fold back or roll back the flooring into the still wet adhesive for 4"-6". This will ease the fold-back or roll back of the second half and it will help avoid an overlap of the glue-line. Should this method not followed, the glue-line mark will telegraph through the flooring.
- 6.14. "Open time" of the adhesive is dependent upon porosity of the substrate, temperature, and humidity. It is important that the installers familiarize themselves with the adhesive before starting the installations. Insufficient open time for acrylic adhesive will cause bubbling. Exceeding the working time will result in poor adhesion.



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### 6.15. Application Characteristics over Porous Substrates:

<b><i>Application Characteristics over Porous and Non-Porous Substrates</i></b>		
	<b><i>Open Time*</i></b>	<b><i>Working Time**</i></b>
Gerflor Sport Products	20 to 40 minutes <b>(to reach a tacky state***)</b>	Up to 2 hours

\* Open Time: It is the waiting time required before installing flooring.

\*\* Working time: It is the window of time for the adhesive to accept flooring.

**Note: Open time and working time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.**


- 6.16. While installing, always work to have complete sheets glued at the end of the day.
- 6.17. To reduce the risk of bubbles, the roll back method is the most recommended.
- 6.18. By keeping the roll tight and maintaining a constant pressure while unrolling into the adhesive, the risk for bubbles will be minimal.
- 6.19. The fold back method is acceptable, but care must be taken to not flap it back too quickly.
- 6.20. Once flooring is placed into the adhesive, immediately roll thoroughly with a 3 section 100-lbs roller in both directions rolling sideways first.
- 6.21. Continue laying sheets by keeping the edges spaced 1/32", trimming each side with a straight edge or scribing when needed. The goal is to produce a uniform 1/32" spaced seam for welding.
- 6.22. The width of the gap has to be even and may be less than 1/32" depending on the guide of the groover used.
- 6.23. During the installation, always double check the flooring for bubbles with the lights on and off.
- 6.24. Heat welding can proceed after **24 hours from time of installation**
- 6.25. **Avoid adhesive displacement by prohibiting traffic for a period of 48 hours and 72 hours for rolling loads.**

## 7. INSTALLING USING GERFIX 196 HYBRID MULTI-PURPOSE ADHESIVE

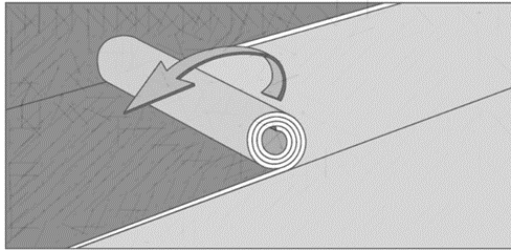
- **GERFIX 196 IS CHEMICALLY REACTIVE. ONCE MIXED, THE POT LIFE IN THE BUCKET IS 2 HOURS; AFTER SUCH TIME, DISCARD ANY REMAINING ADHESIVE**
- **Trowel the adhesive onto the substrate using a 1/32" x 1/16" x 1/32" U notched trowel. Coverage of 425 – 550 sq. ft. per Pail.**
- **It is imperative to use the proper trowel as well as maintaining the proper notch size over the course of the entire floor.**
- **Prepare concrete per ASTM F-710. Concrete should be mechanically prepared to a CSP 1+ to ensure a porous and contaminate free substrate.**
- **Inadequate application of adhesive will void the warranty.**
- **Use mineral spirits to remove wet or dry adhesive.**

## INSTALLATION INSTRUCTIONS

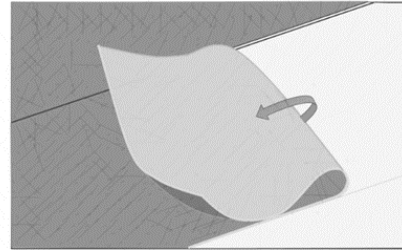
### SPORT FLOORING OVER ISOLSPORT

- 7.1. Always refer to the **Gerfix 196 Adhesive Technical Data Sheet**.
- 7.2. Follow the guidelines indicated on the Technical Data Sheet.
- 7.3. Recommended trowel size is 1/32" x 1/16" x 1/32", covering from 170 to 220 sq. ft. per US gallon. 
- 7.4. Mix 2-part acrylic adhesive part A and part B for 2 to 3 minutes and is a consistent color.
- 7.5. Starting from the center line and working outward, fold back or roll back the sheets (width) halfway and apply the adhesive to the subfloor.

#### Roll back method



#### Fold back method



- 7.6. To ensure uniform adhesion of the entire surface, apply a workable amount of adhesive at one time.
- 7.7. Maintain a uniform spread rate. Replace trowel (or trowel blade) with every pail used.
- 7.8. Immediately after troweling the adhesive onto the concrete use a medium napped paint roller saturated with adhesive to flatten out visible trowel marks and even out the adhesive. A double arm roller frame is recommended to ensure an even coat of adhesive.
- 7.9. "Open time" of the adhesive is dependent upon porosity of the substrate, temperature, and humidity. It is important that the installers familiarize themselves with the adhesive before starting the installation. Insufficient open time for this adhesive will cause bubbling. Exceeding proper open time will result in poor adhesion.

<b>Application Characteristics over Porous Substrates (Non-Porous – see note below)</b>		
	<b>Open Time*</b>	<b>Working Time**</b>
Gerflor Homogeneous & Heterogeneous Floorings	20 to 30 minutes (to reach a tacky state***)	1 to 3 hours

\* **Open Time:** is the wait time required before installing flooring into the adhesive.

\*\* **Working time:** is the "window" of time for the adhesive to accept flooring.

\*\*\* **Tacky:** When the adhesive starts to becomes translucent and there is light transfer to the fingers when slightly touched

**NOTE: For Non-Porous substrates such as metal, existing floorings, etc., allow the adhesive to transition from the wet stage to a tacky-dry stage (no transfer to fingers, when lightly touched) then immediately install the flooring and roll with a 100lb. roller.**


- 7.10. Maintain a uniform spread rate. Replace trowel (or trowel blade) with every pail used.
- 7.11. When installing, always work to have complete sheets glued at the end of the day.

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- 7.12. To reduce the risk of bubbles, the roll back method is the most recommended method of installation.
- 7.13. By keeping the roll tight and maintaining constant pressure while unrolling into the adhesive, the risk for bubbles will be minimal.
- 7.14. The fold back method is acceptable, but care must be taken to not unfold it back too quickly.
- 7.15. Once flooring is placed into the adhesive, immediately roll thoroughly with a 3 section 100-lbs steel roller in both directions.
- 7.16. Always roll seams, at the walls, and under toe kicks with a hand roller to ensure 100% transfer of adhesive.
- 7.17. Care must be taken to avoid flopping the sheets into the adhesive as this may cause air to become entrapped
- 7.18. Keep on installing sheets by keeping the edges spaced 1/32", trimming each side with a straight edge or scribing. The goal is to produce a uniform 1/32" spaced seam for welding.
- 7.19. Using a 100-lbs sectional steel roller, roll the flooring in the width first and then the length to ensure adhesive transfer and to evacuate all air that can lead to bubbles. Optimally there should be an individual tasked solely with this responsibility
- 7.20. Continually check the flooring for bubbles. To verify there are no bubbles, look down and across the flooring from both a standing and prone position with the lights on and off. The use of a light source at floor level can be helpful in finding any air pockets or bubbles.
- 7.21. Heat welding can proceed after **24 hours from time of installation**
- 7.22. **No heavy foot traffic for 6-12 hours after installation, no heavy rolling loads for 24 hours and no heavy point loads for 72 hours.**
- 7.23. Use mineral spirits to remove fresh or dried adhesive from the surface of the flooring
- 7.24. Following the above steps is of the utmost importance for a successful installation that will resist high moisture levels and be serviceable over the life of the floor.

## 8. INSTALLING USING T-111 ADHESIVE

- 8.1. Always refer to the **Gerflor T-111 Adhesive TDS Sheet**
- 8.2. Recommended trowel size is 1/32" x 1/16" x 1/32", covering from 170 to 220 sq. ft. per US gallon. 
- 8.3. Mix polyurethane adhesive part A and part B as recommended by the adhesive manufacturer.
- 8.4. Installers must be familiar with the use of polyurethane adhesives.
- 8.5. Starting from the center line and working outward, fold the sheets back halfway and apply the adhesive to the subfloor.
- 8.6. Installer may also use the "roll back" method.
- 8.7. Never pre-cut material to final trim until it is applied into the adhesive. Leave material 2"-3" longer for trimming after placement.
- 8.8. To ensure uniform adhesion of the entire surface, apply a workable amount of adhesive at one time.
- 8.9. Maintain a uniform spread rate. Replace trowel (or trowel blade) with every pail used.
- 8.10. There is no 'open time' with this type of adhesive, therefore once the adhesive is applied, immediately install the flooring into the wet adhesive.



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- 8.11. When installing, always work to have complete sheets glued at the end of the day.
- 8.12. To reduce the risk of bubbles, the roll back method is the most recommended method of installation.
- 8.13. By keeping the roll tight and maintaining constant pressure while unrolling into the adhesive, the risk for bubbles will be minimal.
- 8.14. The fold back method is acceptable, but care must be taken to not unfold it back too quickly.
- 8.15. Once flooring is placed into the adhesive, immediately roll thoroughly with a 3 section 100-lbs steel roller in both directions.
- 8.16. Always roll seams, at the walls, and under toe kicks with a hand roller to ensure 100% transfer of adhesive.
- NOTE: Rolling and pushing the air out are critical with this type of adhesive. Gerflor T-111 two-part polyurethane adhesive will never emit gases while setting; therefore, any bubble that will appear is caused by entrapped air under the flooring, a direct cause of improper rolling.**
- 8.17. Keep on installing sheets by keeping the edges spaced 1/32", trimming each side with a straight edge or scribing. The goal is to produce a uniform 1/32" spaced seam for welding.
- 8.18. During the installation, with the lights on and off, always double check the flooring for bubbles with portable, ambient, and/or fixed lighting.
- 8.19. Heat welding can proceed after 16 **hours from time of installation**
- 8.20. **The use of knee boards and walking boards are mandatory to protect from adhesive displacement during installation.**
- 8.21. Avoid adhesive displacement by prohibiting traffic for a period of 48 hours and 72 hours for rolling loads.

#### **9. HEAT WELDING - REFER TO THE "HEAT WELDING GERFLOR VINYL PRODUCTS" DOCUMENT**

#### **10. GAME LINE PAINTING - REFER TO "GAMELINE PAINTING INSTRUCTIONS" DOCUMENT**

#### **10. ONCE THE INSTALLATION IS COMPLETED**

- 10.1. Clean the area to verify there are no imperfections, adhesive residue, scuff marks, etc. Verify every welded seam.
- 10.2. Make sure that the vinyl is well trimmed and sealed with a silicone sealer (or equivalent) around all fixed, vertical objects (e.g. doorways, posts, etc.).
- 10.3. To maximize the aesthetic appearance and serviceability of the newly installed flooring, provide your customer with a copy of the **Gerflor USA Maintenance Instructions**