

## GAME LINE PAINTING

### PAINTING GAME LINES ON GERFLOR SPORT SURFACES

1. **Gerflor Game Lines Paint** is a flexible two-component polyurethane paint. Its properties of high gloss, flexibility, color(s) and excellent gloss retention make this coating ideally suitable for all **GERFLOR** sport floor surfaces.
2. Confirm the colors and quantities of paint and primer are correct before starting the painting process.
3. Coverage on the **GERFLOR** sport floor surface is approximately 500 linear feet of 2" wide game line per unit of paint for a single coat. (A unit consists of 1-quart Component A mixed with 8 oz. container of Component B).

#### Game line paint must be applied by experienced professional game line painters-applicators.

4. The following procedures are to provide a general guideline for the application of GERFLOR'S recommended game line paints. The paint is not suitable for painting large areas such as solid keys or borders. It is advisable to allow a minimum ½" wide space between different colors of paint to prevent bleeding of colors.

### 5. GERFLOR FLOORING PREPARATION

- 5.1. Dust, dirt, and adhesive residue are contaminants that will negatively affect the bond of the Gerflor Line Paint.
- 5.2. Clean floor surface with an auto-scrubber or damp mop using clear, clean warm water only.
- 5.3. Note: Do not use soap or detergent to clean floor surface prior to painting. Doing so may leave a residue on the surface causing a bond failure with the primer.

### 6. TAPING AND PREPARING GAME LINES

- 6.1. Mark off the gymnasium floor in accordance with game requirements as shown on architectural drawings. Game lines shall be accurate to layout and width of lines as indicated on plans.
- 6.2. It is recommended to get written approval on game line colors, dimensions, and layout before proceeding.
- 6.3. All game lines should be masked with 3M™ Green Automotive Masking Tape 233+, 401+ or similar masking tape approved by the manufacturer for such application. Rub and roll tape firmly against floor surface to accomplish a tight bond.
- 6.4. If the painted lines are crossing over a heat welded seam it is necessary to sand the welded area sufficiently to provide a **COARSE** surface for the primer to adhere properly.



### 7. PRIMER APPLICATION

- 7.1. Gerflor Primer is an edge seal or barrier coat, it is not an adhesion promoter.
- 7.2. Due to the surface texture (embossing) of the flooring, bleeding of the paint **will** occur if primer is not used.
- 7.3. A tape machine or hand roller can be used to roll over the inside edge of the tape to ensure it is securely bonded prior to the application of the primer.
- 7.4. The application of a single coat of Gerflor Paint Primer is required for most surfaces to prevent paint bleed out.



## **INSTALLATION INSTRUCTIONS**

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**NOTE:** The Gerflor Paint Primer must be applied up to and over the inside edge of the tape to stop any bleeding of the paint. Allow the primer to dry or flash-off, becoming tacky with no transfer to a light touch. Apply the first color coat within 24 hours. If the Gerflor Paint Primer is allowed to dry longer than 24 hours, it will need to be lightly abraded with 100 grit sandpaper before application of the first coat of colored paint.

**NOTE:** If the primer and paint are not applied the same day, the removal of the masking tape may be difficult and can affect the finished quality of the game lines.

- 7.5. Depending on the texture of the sport surface (such as tennis surface), additional coats of primer may be required. The use of a HVLP spray system may be a better choice to avoid paint bleeding under the masking tape.
- 7.6. The Gerflor Paint Primer kit covers approximately 600 linear ft. of 2" line for a single coat. Kit consists of one component 'A' (32 oz.) and one component 'B' (16 oz.).
- 7.7. Mix Primer thoroughly and allow a 15-minute induction period before application. Apply a thin coat of clear Primer to all areas receiving Game Line Paint.
- 7.8. Apply Gerflor Paint Primer with a solvent resistant short 1/8" nap paint roller or a pure bristle paint brush; 1" wide for 1" lines and 2" wide for 2" lines. Allow primer to become tacky with no transfer when lightly touched before proceeding with the paint application.

### **8. PAINTING**

- 8.1. Mix colored Gerflor game line paint, part A and part B, thoroughly.
- 8.2. Check to see if color is correct before combining Gerflor Component A (32 oz.) and Component B (8 oz.).
- 8.3. Apply two or more thin coats of paint as required to achieve complete and consistent color.

**NOTE: Heavy coats will result in aesthetic and/or performance issues.**

- 8.4. Masking tape should be removed as soon as the paint's final coat has been applied. The tape will be difficult to remove if the paint is allowed to dry, ragged line edges may also occur.
- 8.5. If Gerflor Paint is allowed to dry longer than 24 hours at normal temperatures, abrade with 100 grit sandpaper and clean with acetone before applying additional topcoat.

**CAUTION:** Accidental paint spillage or traces must be removed immediately with a clean white 100% cotton rag and acetone or denatured alcohol. Pay close attention to thoroughly clean the area so as not to leave a thin paint haze on the surface.

### **9. APPLICATION**

- 9.1. It is very important that the application of the game lines be done after the work of all the other trades has been completed to prevent damage or contamination of the floor surface.
- 9.2. The areas should be closed off to all traffic. All doors and windows should be closed to prevent dust contamination.
- 9.3. It is recommended that the air handling system or the air conditioning system be shut down to avoid the circulation of dust in the air during the painting process until 24 hours after the painting is completed.
- 9.4. The game line primer and paint should be applied at a temperature of 65°F to 85°F. Relative humidity should be between 20% and 60%. These conditions will allow the paint to properly dry and cure.
- 9.5. **Thin even coats will provide the best results.** Thick heavy coats will result in a poor outcome.

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- 9.6. When applying paint with a roller, the use of a paint brush directly behind the roller is recommended to break the surface tension of the paint and promote air release.
- 9.7. Brush strokes should be uniform and in one direction.
- 9.8. Apply colored game line paint using a pure bristle paint brush or short nap paint roller, approximately 1" wide for 1" lines and 2" wide for 2" lines.
- 9.9. Brush and roller should be solvent resistant.
- 9.10. It is important that the paint be applied in a thin uniform coat.
- 9.11. After completion of the first coat, allow paint to become tacky with no transfer when lightly touched before proceeding with the next coat of paint.
- 9.12. The paint and/or primer must be abraded with 100 grit sand-paper if it is allowed to dry longer than 24 hours between coats.
- 9.13. Pull line tape immediately after the final coat of paint is applied.
- 9.14. For logos and other areas that will be "color on color", consult with Gerflor Technical regarding the use of Gerflor Paint Accelerator to facilitate a timely application of the logo film or tape to a newly painted surface.
- 9.15. Restrict traffic for 7 days to allow paint to fully cured.

**CAUTION!** Double check all game lines for accuracy before applying primer and paint. Once the paint is dry, there is no known chemical to remove it without permanently damaging the flooring.



For more information, please refer to Gerflor Technical Services.