

Installation Guidelines

Re: New & Existing **Gymnasium Floors, Indoor.**

The following guidelines are for the ProGym solid top tile, style #3633: indoor applications.

Pre-Installation

1. Fix or repair any base problems. New facilities: responsibility of General Contractor. Existing facilities: responsibility of Owner.

Installation

1. Sweep and/or clean the floor to be covered. New facilities: responsibility of General Contractor. Existing facilities: responsibility of Owner.
2. Roll out rubber underlayment. Abut sheets side to side, within 1/8" of each other. Hold sheets taut end-to-end with duct tape to prevent rippling effect. Hold sheets close together with duct tape approximately every 3 to 4 feet with duct tape. Any tears or splices can be fixed by using duct tape.
3. Establish the lengthwise centerline of the court (goal to goal direction). Pull a string line the length of the court along the centerline and fix it on both ends, approximately 1" above the base so that it will run over the tiles. Keep string line taut. Alternate: snap a chalk line.
4. Spread out Matéflex tile sheets in accordance with the tile layout plan. Be sure that the male/female lock orientation is maintained the same for all sheets. Do not assemble sheets at this point. Arrange the sheets in straight rows and columns, abutting them but not attaching them to each other. Locate any inbounds, outbounds, lanes and other color patterns as required per plan.
5. Assemble the tile sheets along the centerline. Assemble this first row either 4 or 6 tiles wide, depending on tile layout plan, using the string line as a guide. Make sure that this row is centered from end to end as well as side-to-side. Also, double-check the location and accuracy of any game lines, especially the centerline and free throw lines.

6. Assemble the first cross row of tiles at one end of the court, perpendicular to the center row. Tie the cross row into the existing center row as you proceed. The assembled tiles will now resemble a letter "T".

Tip: Start the first cross row at the end of the court that the male locks face. By doing this, you will proceed to tie each successive cross row into a female loop. This will make for a much easier and faster progression.

7. Straighten and align the first cross row perpendicular to the center row.
8. Continue assembling rows across the floor, continually checking to maintain squareness, proceeding from one end of the floor to the other until the entire floor is assembled.
9. Cut and install any trim. Final tile trim to be approximately $\frac{1}{4}$ " to $\frac{1}{2}$ " from the outside wall. All cuts to be done as neatly as possible.
10. It is recommended to finish with a long toed coping (by others) or to fill the resulting gap with a clear silicone or other caulking compound.
11. Mask and paint all game/playing lines. Refer to "Mateflex Line Paints".

MATÉFLEX Line Paints:

GAMELINE PRETREATMENT& PAINT APPLICATION PROCEDURES

1. GENERAL:

Endura EX-2C Topcoat Gameline coating is a flexible two-component type polyurethane paint. Its properties of high gloss, flexibility, color(s) and excellent gloss retention make this coating ideally suitable for **MATEFLEX** sport floor surfaces.

Coverage on the **MATEFLEX** sport floor surface is approximately 350 - 400 linear feet of 2" wide gamelines per unit of paint. (A unit consists of 1 quart of EX-2C Topcoat Component A mixed with ½ quart of Special Component B)

2. SURFACE PREPARATION:

a. Ensure that the floor is thoroughly scrubbed and free of any wax, oil, or lint. 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. Apply solvent resistant masking tape (3M 233 + is recommended tape), and roll the tape very firmly to ensure the best adhesion.

b. Endura P Link is a surface pre-treatment that acts as a primer to promote good adhesion for Endura Topcoats on the MATEFLEX surfaces.

c. Apply P Link WET to the area to be painted.

DO NOT SPILL P Link ON AREAS THAT WILL NOT RECEIVE PAINT!

P Link needs to dry for 1 hour and the window to apply Topcoat paint is 12 hours.

3. PAINT APPLICATION:

a. Application Temperatures

Use the onsite HVAC unit to maintain ambient temperature and flooring surface temperature at normal application conditions of 18°C (65°F) to 24°C (75°F) at 50% Relative Humidity. For higher humidity above 85% use EX-2C Slow Thinner (5-15%) and/or Endura Retarder. It is important that the temperature of the mixed paint be between 20-24 °C (72° F - 75° F) as it greatly affects viscosity.

Temperatures above or below recommended conditions will decrease or increase the length of drying time.

Surface must be completely dry -Do not apply over moist or damp surfaces.

Do not mix more than is required for a 3-6 hour period. We suggest that the two-part paint be mixed with a power drill. Let it stand for half an hour before application.

b. Application Equipment

Pure bristle brush or foam brush is recommended. On large jobs a very short 1/8" nap roller may be used taking caution to ensure no air entrapment occurs between flooring and paint. If air bubbles occur they must be removed as they will not release on their own. Dragging a brush 3 – 4 feet behind roller on final coat will remove any air bubbles.

c. Application Procedure

Check to see if color is correct before combining EX-2C Component A and Special Component B. Apply by brush if possible **rollers may cause air entrapment. A Unit represents 1 quart of EX-2C Component A combined with 1/2 quart of Special Component B.**

Apply two thin wet coats - depending on the color - with each coat at a wet film thickness of 50-60 microns (2- 2 ½ mils). Keep flash-off time between coats to a minimum (15-30 minutes) on smooth surfaces.

Masking tape should be removed as soon as the paint has dried sufficiently to be "tacky". The tape will be difficult to remove if paint is allowed to cure and ragged line edges will occur.

If Endura EX-2C Topcoat is allowed to dry longer than 24 hours at normal temperatures, abrade with sandpaper or scotch bright scuff pad before additional applications of topcoat.

4. CURING RATE

At normal temperature 20 °C (70°F) to 50% relative humidity.

No traffic should be permitted on the newly applied coating for at least 72 hours. Only light traffic without footwear should be permitted for the first 7-10 days.

After 10-14 days and up to 30 days the floor may only be dust mopped or lightly damp mopped to remove dust, light debris, etc.

5. SCRUBBING

Do not scrub the floor for at least 30 days after the application of the Endura EX-2C Topcoat Game lines

Note: The cleaning solution should be a non-abrasive, phosphate free, biodegradable type and diluted to the manufacturers' recommended directions.

Note: Take time and be prepared before starting the job. A proper work schedule that meets all the job requirements is very important.

Correcting problems with gameline application after the installation can be very difficult, expensive and time consuming.

For technical assistance regarding paint, please contact Tom @ CanAm Coatings at 619-937-0430

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