

MATEFLEX

GAMELINE PRETREATMENT & PAINT APPLICATION PROCEDURES

TILEFLEX PLANKFLEX PROGYM PLANK

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 sport floor surfaces.

Coverage on the sport floor surface is approximately 400 linear feet of 2" wide gamelines per unit of paint. (A unit consists of 1 quart of EX-2C FC 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.

Due to the unique combination of two synthetic flooring materials a two step pretreatment is required for best adhesion. The first material to apply is the P Link followed 1 hour later by the Prepare Thinner II.

- a. Apply **Endura P Link** to the cleaned gameline surface with a clean lint free rag or paint brush. The application must be **THOROUGH** and **WET** the entire gameline surface. **WAIT 1 HOUR.** Next apply **Endura Prepare Thinner II THOROUGH AND WET.** Allow the Prepare Thinner II to dry for **1 HOUR** before application of first coat of paint.

Note: If the prepared surface is allowed to dry longer than 24 hours an additional application of the P Link must be re-applied as noted. Failure to do so will result in compromised adhesion and adhesion failure of the game lines.

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 short nap 1/8" roller may be used taking caution to ensure no air entrapment between paint and the floor.

c. Application Procedure

The dual synthetic composition of the flooring may allow bleeding of the paint along the inside edge lines of the masking tape.

The application of a single coat of CLEAR 100 SFC QD to the line area that is to be painted will help eliminate this problem. This creates a "barrier" that will prevent the colored paint from running under the tape. Please note; the CLEAR 100 SFC QD must be applied over the inside edge of the tape to stop the bleeding of the paint. Allow the CLEAR 100 SFC QD to dry 2 hours (but not more than 24 hours) before applying the first color coat. If the CLEAR 100 SFC QD is allowed to dry longer than 24 hours it will need to be scuffed before application of the first coat of colored paint.

This is not a required step but will help ensure crisp gameline color edges. A unit of CLEAR 100 SFC QD represents 1 quart of EX-2C Component A combined with 1/2 quart of Special Component B.

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 with each coat at a wet film thickness of 50-60 microns. Drying time in between coats should be a minimum of 30 minutes.

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

If Endura EX-2C FC 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

(Normal temperature 20 °C (70°F) to 50% R.H.)

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 days.

After 7 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 FC Topcoat Game lines

- 6. This painting process is intended to be a permanent application. However, as with most textured or engineered flooring periodic touch up of the painted surface may be required.**

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, please contact CanAm Coatings Ltd. at 619-937-0430.

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PHYSICAL PROPERTIES

Resistance to:

- Solvents: Excellent
- Organic chemicals: Very good
- Acids and alkalis: Excellent
- Temperature variations: Excellent

Temperatures:

- 40°C to 200°C maximum
- 40°F to 390°F maximum

Flash point:

- 4°C (25°F)

Colors:

- Available in 9 high gloss solid colors. Special matched colors also available in when requested.

Viscosity of the mix:

- 20-30 sec. #4 Ford Cup.

Pot life:

- 3 to 6 hours.

Note: Once mixed, adding solvent cannot extend pot life.

Clean Up:

- ACETONE.

Shelf Life:

- Endura EX-2C FC Topcoat Component A will keep 36 months and Special Component B will keep at least 12 months in original unopened containers depending on storage conditions. Store in cool dry place.