

TOP SURFACE

TECHNICAL DATA SHEET

TWO-COMPONENT POLYURETHANE PROFESSIONAL WATERBORNE FINISH

DESCRIPTION

TOP SURFACE is the best waterborne finish for wooden sports floor for its performance, excellent build and very high gloss. TOP SURFACE is a two-component finish fully cured in 7 days. Specially formulated for sports floor, TOP SURFACE is part of a complete finishing system for wooden sports floor ensuring compatibility and performance.

RECOMMENDED USES

Sports floor: Basketball, volleyball, raquetball, squash, badminton, training gyms, dance floors or aerobic dance floors

FEATURES

- Approved ASTM D2047 (Standard Test Method for Static Coefficient of Friction)
- Very high gloss (90%) and “excellent build up”
- MFMA approved (Group 5)
- Excellent resistance to chemicals, shoe marks and sweat
- Easy to maintain
- Excellent for recoating oil based or waterborne wood floors and prefinished floors
- NMP free
- Odor-low and non-offending
- Low VOC (272 g/L)
- Fully cured in 7 days
- Nonflammable

LEED® CONTRIBUTION

Materials & Resources (MR) Credit MR 5 Regional Materials	Indoor Environmental Quality (IEQ) Credit IEQ.3.2 Management Plan: Before occupancy	Indoor Environmental Quality (IEQ) Credit IEQ.4.2 Low-Emitting Materials: Paints and Coatings	Regional Priority (RP) Credit RP 2 Regional Priority
•	1 point	1 point	1 to 3 points

RECOMMENDED APPLICATORS

- Finitec applicator
- Finitec light weight “T-bar” applicator
- Brush

APPLICATION CONDITIONS*

- Temperature between 70 °F and 77 °F (21 °C and 25 °C)
 - Relative humidity between 35 % and 50 %
- * Refer to *Drying and curing time* section of this sheet.

RECOMMENDED SYSTEMS

(Refer to *Finitec Expert sports floor finishing systems* table)

System 5 - New or restored floor: 1 coat of SURFACE SEALER + SURFACE COLOR (if desired) + 3 coats of TOP SURFACE

System 6 - Recoating: 1 treatment of SURFACE TREATMENT + SURFACE COLOR (if desired) + 1-2 coats of TOP SURFACE



PART A

Size	18 L
Coverage	up to 2400 sq.ft.
Product number	B-40112
Quantity per skid	24

PART A

TECHNICAL DATA

Size available:	18 L
Container:	Plastic container with spout
Color:	Translucent
Luster (60°):	Gloss (90 %)
Odor:	Low and non-offending
Coverage:	Up to 130 sq.ft. (12 m ²) / L
Drying time:	To touch: 1 hour To recoat: 12 hours Light traffic: 4 hours Mats: 7 days Full cure: 7 days
Mix time (pot life):	12 hours
Resistance to chemicals:	Excellent
Mass loss during Taber test:	8 mg (ASTM D4060 with CS-17 abrasive wheel)
Flash point:	N.D.
Solid content:	30 % (weight) - 27 % (volume)
Slippery resistance:	> 0.5 (ASTM D2047)
pH:	8,2 ± 0,4
VOC:	272 g/L
Viscosity:	23 to 25 seconds (Zahn #2)
Density:	1,04 - 1,05 kg/L
Freeze / thaw stability:	Keep from freezing
Shelf life:	12 months (when kept in its original container)
Tools clean up:	Water
Storage:	Between 50 °F and 85 °F (10 °C and 30 °C)
Waste disposal:	Recycle if possible (Check with local authorities)

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The information mentioned in this document is prepared to the best of our current knowledge and does not pretend to be complete. It is possible that an updated version of this document is available on our web site finitexpert.com. In case of discrepancy, the latter takes precedence over the printed document. User is responsible to evaluate the best choice of product according to wood type and present situation before use. For more information, please consult our web site finitexpert.com or contact our Customer Service at 1.888.838.4449. PROFESSIONAL USE ONLY.

■ FLOOR PREPARATION

NEW OR RESTORED FLOOR

Sand (refer to *Sanding instructions*) and/or smooth the floor with a 100-120 grit screen disc (DO NOT use steel wool) and remove dust using a vacuum cleaner or dry towels.

NOTE: TOP SURFACE is appropriate for the most of oil based or waterborne stains. Be sure to respect stain drying time. Proceed to an adhesion, compatibility and color tests by reproducing jobsite application conditions and methods.

RECOATING

Clean thoroughly the floor with SURFACE TREATMENT (refer to *Technical data sheet* of SURFACE TREATMENT) in order to eliminate accumulated dirt and to make the floor free of wax, oily and greasy residues.

NOTE: TOP SURFACE is appropriate for the most of oil based or waterborne finishes. Otherwise, sand completely to bare wood (refer to *Sanding instructions*). Proceed to an adhesion, compatibility and color tests by reproducing jobsite application conditions and methods.

■ SANDING INSTRUCTIONS

Prepare and sand the floor according to MFMA's recommendations.

■ MIXING INSTRUCTIONS

In order to provide a homogeneous finish, stir the part A with a clean stick and pour slowly the entire catalyst (part B) (360 mL) in the finish container (part A) while giving a stir simultaneously. Shake the finish vigorously for at least 45 seconds. Let stand at least 10 minutes to allow bubbles to break and catalyst to activate.

NOTE: DO NOT thin.

NOTE: DO NOT use another ratio than 360 mL of catalyst per 18 L TOP SURFACE. (ratio of 20 mL : 1 L). DO NOT catalyze the finish more than once.

■ APPLICATION GUIDELINES WITH A LIGHT WEIGHT "T-BAR"

NOTE: Turn off all ventilation in the gymnasium. If ventilation can not be turned off, block all ducts for a minimum of air circulation in the gymnasium.

- 1- Apply 1 coat of SURFACE SEALER (refer to *Technical data sheet*).
- 2- Apply SURFACE COLOR (if desired).
- 3- Use a 6 inches (15 cm) Finitec applicator or a brush, soak it with finish and apply carefully at the edges of the gymnasium.
- 4- Begin along the wall and pour a line of finish of approximately 4 inches (10 cm) wide directly on the floor (following wood boards).

5- Soak the applicator with finish and spread the line in a "snowplow" movement to bring the finish towards you. The overlapping is about 6 inches (15 cm).

6- Near to the perpendicular wall, do not lift the applicator and continue the movement in the opposite direction (180°) for about 12 inches (30 cm).
NOTE: To prevent application marks, DO NOT apply pressure on applicator and smooth out marks and lines. Feather out all turns. DO NOT spread too thin (refer to *Coverage* of this document). Always keep a wet line by adding sealer into the edge.

7- Follow the same procedure for the remaining floor.

8- At about 30 inches (76 cm) from the wall, turn 90° and continue in the opposite direction of wood boards, bringing the finish towards you heading the gymnasium entrance.

9- Collect the excess finish with the applicator. Feather out all marks and lines.

10- Allow 12 hours of drying between coats (may vary according to conditions).

11- Sand between coats using a 180 grit screen disc. It is recommended to use a maroon pad (250 sq.ft. (23.2 m²) /side) after the sanding to eliminate screening marks that may appear in the final result.

12- Remove dust using a vacuum cleaner or slightly damp towels.

13- Apply 3 coats of TOP SURFACE.

NOTE: Apply only one coat of TOP SURFACE per day. After the last coat is applied and dry, allow room ventilation to promote air circulation. Prevent light activities within the first 72 hours. Regular activities can be performed after 7 days.

14- Clean tools with water.

■ DRYING AND CURING TIME

The curing process is about 7 days (100 % cured after 7 days, 90 % after 48-72 hours and 75 % after 24 hours). To optimize the performance of the finish, wait for complete curing before any activities and before the first wet cleaning. After 4 hours of drying time, light traffic is allowed. Wait 7 days before replacing mats. It is possible to have a light traffic after 24 hours, however the floor may be easily scratched.

NOTE: Drying and curing time mentioned in this document may vary depending on application conditions: lower temperature, higher humidity and greater thickness of product on the floor could slow the drying and curing process.

■ MAINTENANCE AND CARE

Use protection felt pads under equipments to prevent scratches. Do not drag equipments across the floor. Do not use adhesive tape to create temporary game lines on the gymnasium floor. Vacuum or sweep regularly. Use SURFACE CARE specially designed for sports floor maintenance. For more informations, refer to document *Maintenance and care for sports floor*.

■ FIRST AID

In case of eye or skin contact, rinse well with water for 15 minutes. In case of inhalation, allow the victim to rest in a well-ventilated area. If swallowed, seek medical attention. Do not induce vomiting. Have conscious person drink several glasses of water. Keep out of reach of children.
EMERGENCY phone: CANUTEC (613) 996-6666.