

EX-DUO +

TECHNICAL DATA SHEET

TWO-COMPONENT POLYURETHANE PROFESSIONAL WATERBORNE FINISH

PRODUCT DESCRIPTION

EX-Duo + is specially designed for commercial floors. It is a two-component finish that offers a supreme resistance and fully cured in 7 days. EX-Duo + enhances the beauty of wood without yellowing over time.

RECOMMENDED USES

Residential: kitchens, living-rooms, dining-rooms, hallways, stairs, playing areas

Commercial: restaurants, retail stores, shopping centers, offices, hotels, schools and universities

FEATURES

- Supreme resistance
- Anti-slipery (ASTM D-2047)
- Fully cured in 7 days
- Easy to maintain
- Self-levelling and easy flowing
- Excellent for recoating
- NMP free
- Odor-low and non-offending
- Low VOC (272 g/L)
- Nonflammable

LEED® CONTRIBUTION

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

RECOMMENDED APPLICATORS

- Finitec applicator
- Finitec light weight "T-bar" applicator
- 3/8 inch roller (10 mm)
- 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 document.

RECOMMENDED SYSTEMS

(Refer to *Finitec Expert finishing systems* table)

System 1 - Heavy commercial traffic/Intense residential traffic:
1 coat of EX-Prime and 2-3 coats of EX-Duo +

System 2 - Commercial traffic/Heavy residential traffic: 1 coat of EX-Prime and 2-3 coats of EX-Duo +

System 4 - Recoating: 1 treatment of SURFACE TREATMENT and 1-2 coats of EX-Duo +



PART A

Sizes	3.64 L	18 L
Coverage	up to 600 sq.ft.	up to 3000 sq.ft.
Product number: Gloss	81296	81207
Product number: Semi-gloss	81297	81208
Product number: Satin	81298	81209
Product number: Matte	81299	81210
Quantity per skid	96	24

PART A

TECHNICAL DATA

Sizes available:	3.64 L (4 per case) and 18 L
Container:	Plastic container with spout (and filter for 3.64 L)
Color:	Translucent
Luster (60°):	Gloss (90 %) Semi-gloss (60 %) Satin (25 %) Matte (5%)
Odor:	Low and non-offending
Coverage:	Up to 165 sq.ft. (15 m ²) / L
Drying time:	To touch: 1 hour To recoat: 3 to 4 hours Light traffic: 4 hours Furniture: 24 hours Carpets and rugs: 7 days Complete 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.A.
Solid content:	30 % (weight) - 27 % (volume)
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)



TWO-COMPONENT POLYURETHANE PROFESSIONAL WATERBORNE FINISH

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 finitecexpert.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 finitecexpert.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 surface with a 100-120 grit screen disc (DO NOT use steel wool) and remove dust with a vacuum cleaner and dry towels.

NOTE: Finitec Expert finishes are appropriate for the most of oil based or waterborne stains. Be sure to respect stain drying time. Proceed to an adherence, compatibility and color test by reproducing jobsite application conditions and methods.

RECOATING

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

NOTE: Finitec Expert finishes are appropriate for the most of oil based or waterborne finishes. Otherwise, sand completely to bare wood (refer to *Sanding instructions*). Proceed to an adherence, compatibility and color test by reproducing jobsite application conditions and methods.

SANDING INSTRUCTIONS

Prepare and sand the floor according to the recommendations of the wood floor industry associations.

MIXING INSTRUCTIONS

In order to provide a homogeneous finish, stir the part A with a clean stick and pour the entire catalyst (*part B*) in the EX-Duo + container (*part A*) while stirring 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 75 mL of catalyst per 3,64 L EX-Duo + (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 room. If ventilation can not be turned off, block all ducts for a minimum of air circulation in the room.

- 1- Use a 6 inches (15 cm) Finitec applicator or a brush, soak it with finish and apply carefully on the edges of the floor.
- 2- Begin along the wall and pour a line of finish of approximately 4 inches (10 cm) wide directly on the floor (following wood boards).
- 3- Soak the applicator with finish and spread the line in a "snowplow" movement to bring the finish back towards you. The overlapping is about 6 inches (15 cm).

- 4- 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).

- 5- Follow the same procedures for the remaining floor.
- 6- At about 30 inches (76 cm) from the wall, turn 90° and apply the finish in the opposite direction of the wood boards, bringing the finish back towards you.
- 7- Upon completion, collect the excess finish with the applicator. Feather out all marks and lines.
- 8- Allow about 3 to 4 hours of drying between coats (may vary according to conditions).
- 9- Sand between coats using a 180 grit screen disc.
- 10- Remove dust using a vacuum cleaner or slightly damp towels.

NOTE: It is not necessary to sand before the last coat if the time between applications does not exceed 4 hours.

- 11- Clean tools with water.

DRYING AND CURING TIME

The curing process is about 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 the first wet cleaning. After 4 hours of drying time, light traffic is allowed. Wait 7 days before replacing carpets and rugs. It is possible to have traffic after 24 hours, however the floor may be easily scratched. The curing process must be respected (refer to *Technical data sheet*).

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 furniture to prevent scratches. Do not drag furniture across the floor. Vacuum or sweep regularly. Use Finitec cleaning products specially designed for wood floor maintenance. For more information, refer to document *Maintenance and care for commercial 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.