

UL – 2130: DURAPRO PUR FLOOR® ADHESIVE

DuraPro PUR FLOOR® is a state of the art moisture-cure polyurethane adhesive for installing all types of wood floors. PUR FLOOR® provides longer working time. When finished, it cures overnight and forms a durable and waterproof bond that stays flexible so it can move as the floor expands and contracts. PUR FLOOR® is safe to use and suitable for Green Building Projects – It is LEED Qualified, VOC compliant with SCAQMD Rule 1168 and does not contain any ozone depleting chemicals.

10 Reasons To Pick PUR FLOOR®

- 1. Workability:** High tech formula that trowels like a water base but bonds like a urethane.
- 2. Coverage:** Contains no water so it holds trowel ridges and enables you to use less adhesive than competing products.
- 3. Cure Time:** Requires no flash time which allows you to use the Wet-Lay or Walk-On-Work method of installation. Please refer to our Temperature/Humidity chart for estimates of initial tack and open time.
- 4. Repairs:** State of the art formula provides the ultimate bond designed to last the floor's lifetime but it remains flexible for easier tear-outs and repairs.
- 5. Bridging:** Some gap filling properties which can help improve the finish on the most difficult flooring installations.
- 6. Cleanup:** Easy to see when it is wet (unlike other urethane adhesives) and our unique formula allows enough time for cleanup before it cures. Successful floor installation requires you to clean incorrectly placed adhesive before it cures.
- 7. Stability:** High tech formula and packaging technology give it industry leading stability.
- 8. Environment:** Ozone friendly and, unlike many competing products, contains no Volatile Organic Compounds (VOCs) or solvents.
- 9. Nonflammable:** Non-flammable and has a flame spread index comparable to competing urethane adhesives.
- 10. Health:** Uses state of the art environmentally friendly raw materials because we care about your health.

PUR FLOOR® PHYSICAL PROPERTIES

Specific Gravity: 1.41
Weight / Gallon: 11.8
Viscosity @ 25C, nominal 130,000cps @20rpm
(Brookfield, thixotropic) 400,000cps @2rpm
California Proposition 65 Compliant
LEED Qualified
VOC Compliant
TSCA Status: Compliant
Canadian DSL Status: Compliant

Appearance: Tan Paste
Work time: 30 – 45 minutes.
Cure Time: Let fully cure before allowing foot traffic.
Firm set: 2 hours.
Light foot traffic: 8 – 12 hours.
Normal traffic: 24 hours.
Curing time is dependent on temperature and humidity.

PREPARATION: Read and understand data sheet completely before beginning installation. Follow industry standards and wood floor manufacturer's recommendations for sub floor moisture content, design, layout and application of wood flooring materials.

Subfloor Preparation – All substrates must be clean, dry, structurally sound, properly cured and free of dirt, oil, paint, old adhesive, wax, sealers, curing agents and all other surface contaminants. General scouring with 20 grit or #3 paper will remove most compounds. All loose materials must be vacuumed from surface after scouring. Maximum acceptable floor variation is 1/8" in 10 feet. Hollow spots, popping spots and squeaks are related to unevenness in the sub floor. If solid wood is being installed, completely remove cutback adhesive residue by sandblasting, shot blasting or scarifying. When sandblasting, shot blasting or scarifying, surface texture must be similar to light broom finish concrete. Grinding concrete floors is preferred over the use of filling compounds. Surface areas requiring patching or leveling should be done using a Portland cement based material. Remove all existing base, shoe molding and door thresholds prior to continuing the installation. All door casings must be undercut with either a jamb saw or hand saw. Use a piece of the flooring as a guide to determine the thickness needed.

Moisture Check – PUR FLOOR® may be used for above-, on- and below-grade applications and on all common substrates. On- and below-grade applications are susceptible to moisture and should be tested for moisture prior to installation in several locations within the installation area. Acceptable conditions for above-, on- and below-grade applications are: A) Less than 3 lbs./1000 square feet/24 hours on a Calcium Chloride Test B) Less than a 4.5 reading on a Tramex Concrete Moisture Excouter C) Wood substrates must have a moisture reading of less than 14% when using a Tramex or Delmhorst or equivalent moisture meter.

If there are any moisture-related concerns, wait until the sub floor dries to meet specifications. For more information concerning these products and moisture conditions, call Dural, A Division of Multibond Inc.

APPLICATION: Ensure your starter rows are firmly in place by wedging or face nailing. Once initial rows are secure, PUR FLOOR® can be used either in a "wet-lay" or "walk-on-work" method depending on your preference and the environment of your installation.

WET-LAY METHOD: Begin laying the wood flooring immediately after applying the adhesive to the floor with a suitable trowel. Secure the first two starter rows with finishing or sprig nails so as to reduce the risk of floor slippage. Remaining flooring should be placed securely into wet adhesive. Do not work from the top of the wood flooring that has just been installed.

WALK-ON-WORK METHOD: Enables you to work from the top of wood flooring that you recently installed. Apply adhesive to substrate with suitable trowel and allow it to become "sticky" (refer to relative humidity and temperature guide below). Firmly place flooring onto "sticky" adhesive. It is recommended to trowel out larger sections of adhesive on larger sections of the floor so you can spend more time laying wood and less waiting for adhesive to become ready.

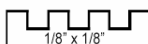

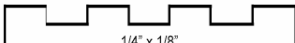

As you work, immediately clean up any adhesive from pre-finished flooring with a soft cloth and mineral spirits (be careful not to harm floor's finish). Rolling is recommended for all installations. Flooring that is not flat should be tacked, weighted, or rolled to ensure proper contact between the flooring and the substrate.

Relative Humidity and Temperature Chart Tableau d'humidité et de température				
Temp.	State/État	40%	60%	80%
15° C	Sticky/Collant	120 min.	100 min.	80 min.
	Open/Air libre	3.5 hrs	3.5 hrs	3.0 hrs
21° C	Sticky/Collant	100 min.	80 min.	60 min.
	Open/Air libre	3.0 hrs	3.0 hrs	2.5 hrs
27° C	Sticky/Collant	80 min.	80 min.	40 min.
	Open/Air libre	3.0 hrs	2.5 hrs	2.0 hrs

Note: This Chart is for reference only.
Actual times may vary dramatically based on job conditions.
Note: À titre de référence uniquement. Les temps réels peuvent varier grandement en fonction des conditions du lieu d'installation.

SITUATIONS WHICH REQUIRE PLYWOOD SUBSTRATE OVER CONCRETE: Using 1/4" x 1/4" square notched trowel to apply PUR FLOOR®, set 4' x 4' sheets of 3/4" exterior grade plywood sheets on the backside of every 8" to 10" by using a circular saw and cutting one half the thickness of the sheets. Scoring or "kerfing" to relieve tension in the plywood and helps prevent possible warping or curling (should be 4-6 cuts in all 4' x 4' sheets). Add weight as necessary to ensure adhesive stays in contact with plywood as it cures. Allow adhesive to fully cure before nailing strip or using PUR FLOOR® in a wet-lay or walk-on-work method of installation.

CLEAN UP: Immediately clean any adhesive on pre-finished flooring with a soft towel and mineral spirits (be careful not to harm floor's finish). Clean tools and equipment with mineral spirits while the adhesive is still wet. Do not allow mineral spirits to sit on floor's surface. Do not allow adhesive to cure on surface of the flooring, tools or equipment. Cured adhesives will be very difficult to remove from any surface.

SUGGESTED TROWELS FOR MAXIMUM PERFORMANCE SUGGESTIONS DE TRUELLE POUR UNE PERFORMANCE MAIMALE	
 <p>1/8" x 1/8" Square Notch / Encoches carrés de 1/8 po sur 1/8 po Finger Block Parquet / Parquet de bois reconstitué Coverage: 80 sq. ft. per gallon / Couverture: 80 pi. ca. par gallon</p>	 <p>3/16" x 5/32" V Notch / Encoches en V de 3/16 po sur 5/32 po 3 ply and 5 ply Engineered Plank / Madrier aménagé de 3 et 5 plis Coverage: 50 sq. ft. per gallon / Couverture de 50 pi. ca. par gallon</p>
 <p>1/4" x 1/8" Square Notch / Encoches carrés de 1/4 po sur 1/8 po 1/2" ply Engineered Plank and 3/4" Parquet / Madrier aménagé à pli de 1/2 po et parquet de 3/4 po Coverage: 40 sq. ft. per gallon / Couverture: 40 pi. ca. par gallon</p>	 <p>1/4" x 1/4" Square Notch / 1/4 po sur 1/4 po Flat Milled Solid & Shorts Plywood / Contreplaqué plein laminé Coverage: 35 sq. ft. per gallon / Couverture: 35 pi. ca. par gallon</p>

STORAGE/SHELF LIFE: Store your PUR FLOOR® in a clean, dry environment above 15°C. Shelf life is 1 year from the date of manufacture.

SEALING/OPENING PARTIAL PAIL: Seal a partial used pail of PUR FLOOR® by placing a plastic bag over unused adhesive, working out any air pockets. Then scrape the sides of the pail and replace the lid and tightly seal it. Reopen a partial pail by removing the lid. Then lift the trash bag from the top of the adhesive and reuse the remaining material.

LIMITATIONS: Do not allow light foot traffic until fully cured which usually takes 8 to 12 hours. PUR FLOOR® will not prevent moisture-related damage to wood flooring installations. Slab temperatures should be between 10° C and 38° C during installation. Do not use on wet, contaminated, or friable substrates. Below-grade installations are limited to engineered plank and foam divided parquet (this is due to limitations in solid wood flooring, i.e. lack of dimensional stability). Do not use over concrete treated with curing compounds or sealers. Do not use as a leveling material. Do not use in areas subject to hydrostatic head.

TROWEL SUGGESTIONS: Trowel size is suggested to maximize coverage of adhesive. A minimum of 80% coverage is required for engineered plank and a minimum of 95% coverage is required for solid woods. Periodically check coverage during your installation to make sure you are applying the appropriate amount of adhesive. Uneven sub flooring may require the use of either a leveling/patching material, or a larger notched trowel for proper coverage of adhesive.

TROWEL CLEAN UP TIP: Cover areas of trowel that are not used to spread adhesive with clear packing or gray duct tape before applying adhesive. After use, tear off the tape before the adhesive cures. Clean remainder of trowel with mineral spirits.

LIMITED WARRANTY

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