



TECHNICAL DATA SHEET PRODUCT:
PUR FLOOR® PROTEKTOR --- Wood Floor Urethane Adhesive Sealer
For Professional Use Only

Prepared: January 23, 2007

PRODUCT DESCRIPTION AND USES

PUR FLOOR® PROTEKTOR is an advanced one-component urethane shield sealer specifically formulated to reduce the transmission of moisture vapor from the subfloor and fill cracks up to 1/8". PUR FLOOR® PROTEKTOR is recommended for professional use only and can be used over the following subfloors: concrete, plywood, OSB, vinyl, cement patch, terrazzo, ceramic tile, radiant heat flooring, and cement backer board.

PUR FLOOR® PROTEKTOR is compatible with PUR FLOOR® wood floor moisture cure polyurethane adhesive. No matter the moisture level of the subfloor, it is recommended that application of PUR FLOOR® PROTEKTOR is done prior to the application of PUR FLOOR®. The products work together as a high-performance system that will not only provide protection against moisture vapor damage through the subfloor but also powerfully bond the flooring to all subfloors. Please contact a DURA PRO™ representative to learn more about the procedures for and benefits of using PUR FLOOR®.

BENEFITS
Reduces Moisture Vapor Transmission to Low Levels
Easy To Use
Fast Curing --- Wood Flooring can be Glued Down in 12 -16 Hours
Extremely Resistant to Vapor Moisture and Water
Outstanding Elasticity --- Accomodates Normal Movement of Sub-Floor & Bridges / Seals Sub-Floor Cracks up to 1/8"
Mild Odor, VOC Compliant

SUBFLOOR PREPARATION

PUR FLOOR® PROTEKTOR can be used over the following subfloors: concrete, plywood, OSB, vinyl, cement patch, terrazzo, ceramic tile, radiant heat flooring, and cement backer board. If the type of subfloor that you want to apply PUR FLOOR® PROTEKTOR on is not listed above, please contact a DURA PRO™ representative for instructions.

Mechanical surface profiling is the preferred subfloor preparation method. It is the only acceptable method where warranties are issued. Acid etching is not recommended. Shotblast the floor to medium grip sandpaper texture to remove curing and parting compounds, other surface hardeners and floor coatings.

Ensure that the subfloor is structurally sound, smooth, dry, properly cured, clean and free from dust, dirt, grease, oil, plaster, paint, old adhesive, wax, curing agents, sealers, cutback or other asphaltic based residue, and any other contaminant that could interfere with a good adhesive bond. For application of PUR FLOOR® PROTEKTOR over ceramic tiles it is necessary to grind the tile surfaces and clean thoroughly with an industrial vacuum cleaner.



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To minimize the potential for hollow spots it is important that the subfloor be smooth and level. Before starting the installation, carefully check that the subfloor is level. Eliminate all dips and crowns that exceed 1/8 in a 10 feet radius by patching or sanding/grinding. Do not use PUR FLOOR® PROTEKTOR as a leveling agent. When needed, use Portland Cement based patching and leveling compounds.

Newly poured concrete must be cured for a minimum of 28 days before application of PUR FLOOR® PROTEKTOR. Moisture tests must be performed on all concrete subfloors regardless of grade level, whether the concrete is freshly poured or is an older slab. Moisture testing should be performed according to ASTM F-1869, Calcium Chloride Test. Moisture levels should not exceed 10 lb/1000 sq. ft. for 24 hours.

NOTE: Do not apply PUR FLOOR® PROTEKTOR on slabs with a history of extreme and problematic moisture conditions or on slabs with obvious visual dampness or moisture. Do not use PUR FLOOR® PROTEKTOR in areas subject to hydrostatic head or in areas subject to secondary source of moisture. Do not use PUR FLOOR® PROTEKTOR over concrete slabs treated with curing compounds or sealers as well as over gypsum based patches/underlayments. Below grade installations are more difficult to control moisture and room humidity levels. For below grade applications, structurally sound Engineered hardwood should be used. Woods chemically treated with products such as ammonia, wood stain, preservative, etc and woods with high oil content must be tested for adhesion prior to the application.

SUBFLOOR PREPARATION APPLICATION

Read and understand all the Application instructions before starting to apply PUR FLOOR® PROTEKTOR. Ensure that the room temperature is between 50°F - 100°F (10°C - 38°C). Follow the instructions for Subfloor Preparation above. Wearing disposable gloves and safety glasses, use a 3/16 x 3/16 x 3/16 Square Notch Trowel to apply PUR FLOOR® PROTEKTOR until a flat, homogeneously thick 30-35 mil layer is achieved over the entire subfloor. A coverage of 40-50 ft²/gal can be achieved with the above trowel and layer thickness. Higher humidity and temperature will accelerate the cure of PUR FLOOR® PROTEKTOR, but it is recommended to wait for approximately 12-16 hours for the PUR FLOOR® PROTEKTOR layer to fully cure. Use PUR FLOOR® wood floor moisture cure polyurethane adhesive to install the flooring following the instructions of the adhesive pail label.

NOTE: Do not use PUR FLOOR® PROTEKTOR over concrete slabs treated with curing compounds or sealers as well as over gypsum based patches/underlayments. Do not use PUR FLOOR® PROTEKTOR below VCT/vinyl flooring materials. Do not use PUR FLOOR® PROTEKTOR over VCT/Vinyl when installing wood flooring. If the area is subject to hydrostatic head, do not use PUR FLOOR® PROTEKTOR on it.

CLEAN UP: Remove PUR FLOOR® PROTEKTOR spills from surfaces as well as tools and equipment as soon as possible before the PUR FLOOR® PROTEKTOR dries. PUR FLOOR® PROTEKTOR is very difficult to remove after it has dried. Be sure to remove PUR FLOOR® PROTEKTOR spills while PUR FLOOR® PROTEKTOR is still wet with a soft cloth and DURA PRO™ adhesive cleaner or mineral spirits carefully to not harm the floor. Please contact a DURA PRO™ representative to learn more about DURA PRO™ adhesive cleaner.

STORAGE AND SHELF LIFE

Store in a clean, dry area between 70- 80°F (21-26°C). Shelf life is one year from date of manufacture. To reseal partially used containers, cover the opened container with a piece or two of plastic, reinstall the pail lid tightly, and carefully turn the pail upside down. To re-open the pail, carefully turn the pail right-side up, remove the pail lid, cut and discard the piece of plastic and any cured material.



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HEALTH & SAFETY

Contains isocyanates. Inhalation may be harmful. Prolonged or repeated skin exposure may cause skin irritation. Do not swallow and avoid eye contact. If skin contact occurs, wash with soap and flowing water. Seek medical advice if irritation persists. If eye contact occurs flush with water for 15 minutes and seek medical advice. If adverse respiratory effects occur, move to a fresh air area and seek medical advice. If swallowed, do not induce vomiting and seek medical advice. For additional information, refer to Material Safety Data Sheet.

KEEP OUT OF THE REACH OF CHILDREN.

PACKAGING

5 gal pails; 36 pails/skid

LIMITED WARRANTY

All statements, technical information, and recommendations set forth herein, are based on tests which IFS Industries, Inc. believes to be reliable. However, IFS Industries, Inc. does not guarantee their accuracy or completeness. The buyer should conduct his/her own test of this product before use to determine proper preparation technique and suitability for proposed application. Any sale of this product shall be on terms and conditions set forth on IFS Industries, Inc.'s quotation. IFS INDUSTRIES, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. IN NO CASE WILL IFS INDUSTRIES, INC. BE LIABLE FOR DIRECT, CONSEQUENTIAL, ECONOMIC OR OTHER DAMAGES.

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