



PreTak

Product Description

Basic Use: PreTak is utilized as a pre-applied sheet membrane for blindside vertical wall waterproofing and pre-applied underslab waterproofing and methane gas protection for horizontal applications. PreTak can be applied directly to a wide variety of substrates and utilizes high density polyethylene (HDPE) sheet that once installed provides a tough and durable waterproofing membrane. Combined with a Pressure Sensitive Adhesive (PSA), PreTak becomes fully adhered when freshly placed concrete or shotcrete is applied to directly to it, eliminating the potential for lateral water migration.

Installation is efficient and reliable with a manufacturer marked adhesive selvedge allowing for an watertight bond at seam overlaps. PreTak delivers superior performance in harsh conditions without the need for specialized equipment, heat, or power.

Utilizing heat welded seams, PreTak is LADBS-approved as a gas and methane barrier (LARR #26164) and for shotcrete.

Composition: PreTak (46 mil/1.2mm) is a fully adhered waterproofing sheet membrane comprised of a long fiber HDPE film coated with a PSA gel and protected by a plastic release liner. The edges of PreTak are treated with a 3-inch (70mm) wide pre-adhered seam (selvedge). PreTak HD is a 60 mil thicker version of PreTak and is available upon request.

Benefits

- Proven and effective, PreTak has an over 25-year successful track record of performance on projects around the world.
- PreTak is suitable for a variety of critical building envelope applications, challenging site conditions, and contaminated soils.
- Not affected by rain or ponding water.
- Surpasses other fully adhered HDPE membrane systems by achieving the ideal blend between value and performance.
- Prevents lateral water migration by forming a continuous adhesive bond to poured-in-place concrete.
- Versatile seam options for hydrostatic, non-hydrostatic, and shotcrete applications.

Limitations

- Limited to underslab and single-sided formwork.
- Do not leave exposed for longer than 60 days.
- Remove excessive substrate moisture prior to application.

Technical Data

Properties: See physical properties table.

Coverages: One roll covers 258 square feet (24 square meters), not including overlaps or waste.

Wider and thicker roll sizes are available upon request.

Storage and Handling: Store raised off the floor away from sun and moisture, between 40-90°F (5-32°C), maximum 5 rolls high.

Specification Writer: Contact EPRO before writing specifications

on this product. PreTak HDPE Pre-Applied Waterproofing System should be reviewed in order to meet project specific site conditions.

Installation

Preparation: Please refer to manufacturer's specifications for substrate requirements. Rolls should be inspected for cosmetic damage prior to application.

Application: Please refer to manufacturer's specifications. Side laps, end laps, and cut ends have several seaming options depending on the application.

Installation: Roll PreTak out with the release liner facing the concrete pour. Line up the sheet edges and overlap a minimum of 3-inches (75 mm) for cut ends and endlap taped seams. For selvedge seams, line up top sheet to pre-adhered selvedge guideline. Remove release liner and roll to adhere seam.

Heat Weld Seams: For guidance on the heat welding option of PreTak, consult manufacturer's specifications.

Availability and Packaging

Contact EPRO sales representative for local distributors or authorized applicators (www.eproinc.com).

Roll Size: 46 mil (1.2 mm), 3'11" x 65'-6" (1.2 x 20 m), 75 lbs (34 kg)

Warranty

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

Equipment

Seaming: 4" heavy seam roller.

Heat Welding: Leister, Hot air wedge welder, extrusion weld, etc.

Underslab Smoke Testing: EPRO Smoke Test Machine.

Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

This product was formally known as Pre-tak by Kingfield Construction Products.



PreTak

Physical Property	Test Method	Value
Material		HDPE
Color		White
Thickness		46 Mil
Resistance to Hydrostatic Head	ASTM D 751	431 ft (131 m)
Tensile Strength, Film	ASTM D 412	4742 psi (32.7 MPa) Force
Elongation	ASTM D 412	722%
Puncture Resistance	ASTM E 154	276 lbs (1227 N)
Resistance to Lateral Water Migration	ASTM D 5385	Pass at 231 ft (71 m) of HH pressure
Peel Adhesion to Concrete	ASTM D 903	23 lbs/in. (4028 N/m)
Permeance to Water Vapor Transmission	ASTM E 96, method B	0.087 perms (4.97 ng/(Pa x s x m ²))
Bonded Seam Strength (Heat Weld)	ASTM D 6392	Pass (Break in Sheet)
Dead Load Seam Strength (Heat Weld)*	ASTM D 751	Pass
Microorganism Resistance (Soil Burial)*	ASTM D 4068	Pass
Methane Permeability*	ASTM D 1434	Pass
Oil Resistance*	ASTM D 543	Pass
Heat Resistance*	ASTM D 4068	Pass
Environmental Stress Cracking*	ASTM D 1693	Pass

*Tested to City of Los Angeles Department of Building and Safety Methane Testing Criteria.

Dimensions: Standard: 3'-11" x 65'-6" (1.2 m x 20 m), XL: 7'-10" x 65'-6" (2.4 m x 20 m)

Weight: Standard: 75 lbs (34 kg), XL: 150 lbs (68 kg)