



PERMA-TECH ROOFING SUPPLY

THE SCIENCE OF STRONG ROOFS

EFX-080

SELF-ADHERED BASE SHEET

TECHNICAL DATA SHEET

DESCRIPTION

Perma-Tech EFX-080 is a high-quality, self-adhering elastomeric base ply roofing membrane. The membrane is reinforced with a durable fiberglass mat, offering outstanding dimensional stability. The top surface is finished with a polyolefin film with lay lines, while the bottom surface features a split release film for easy installation.

USES

- Designed as a self-adhered modified base sheet.
- Applications include new construction, re-roofing, and BUR installation.
- Can be used as a base or interply for self-adhered, hot mopped, torch and cold adhesive systems.
- Compatible with self-adhered, hot-mopped, torch-applied, and cold adhesive roofing systems.
- Provides a quick 'dry-in' membrane that can be mopped over as a base sheet in BUR systems.
- May be installed directly to metal, concrete, plywood, insulation board and gypsum.
- Excellent low temperature flexibility.

APPLICATION

- Prior to installation, the roof deck must be clean and free from any moisture, ice, dust,
- Loose nails, protrusions, voids, and other debris. Installation over wet or frozen substrates may result in moisture migration causing buckles in the membrane.
- For proper adhesion, apply only when the air, deck and material temperature is 40°F or higher.
- For applications where the air, deck or material temperature is below 40°F, use nails to mechanically fasten until fully adhered.
- Screw plates or other acceptable fasteners are recommended at the roof perimeters and endlaps when adhering directly to Polyisocyanurate Insulation. For prolonged exposure during cooler weather or coastal applications, additional screw plates/fasteners may be needed.
- Material must be rolled in place with a weighted roller to ensure positive contact with roof surface.
- Always install from the lowest point on the roof deck.
- For valley or ridge applications, cut product to a manageable length, center the product over the valley or ridge and apply pressure first to the middle and work towards the outside edges. For most applications, side laps must be a minimum of 3 inches, end laps a minimum of 6 inches and drip edges a 3/8 inch minimum. At end laps and other sheet to sheet applications, the use of high quality trowel grade PermaTech PRC-905 SBS cement is recommended. Good roofing practices may require increased minimums for certain applications. End laps must be sealed down with a minimum 1/8" layer of PRC-905 SBS cement.
- This product is a moisture/vapor barrier. Prior to installation, ensure that the roof system provides adequate ventilation to prevent moisture build up in the interior structure.
- Use extreme caution during installation. Do not walk or crawl on product unless dry, as it may become slippery when exposed to moisture.
- Do not lay rolls on their sides.

PRODUCT DATA

- Area Coverage (gross): 200 sq. ft (18.5 m²)
- Weight (approx): 75 lbs.
- Thickness (nominal): 60 mil
- Roll size: 61' X 39 3/8"
- Rolls per pallet: 25

FEATURES & BENEFITS

- Premium self-adhered underlayment for fast, easy installation
- ✓ Self-seals around mechanical fasteners and penetrations.
- ✓ High temperature compound for high stress endurance.
- ✓ Suitable for all roofing materials.
- ✓ High strength fiberglass reinforcement for added dimensional stability, traction and protection.
- ✓ UV resistant for up to 180 days of exposure.
- ✓ Stable in low and high temperatures for all climates. One product for all climate zones.
- ✓ Strong protection around all penetrations.
- ✓ High temperature softening point.
- ✓ 50-year manufacturer's limited warranty*.
- ✓ Silicone-treated split-back release films allow for easy removal of film.
- ✓ Can be applied directly to concrete, metal, plywood, OSB, gypsum and insulation board.
- ✓ Eligible for a 2-ply system using Perma-Tech X-PU roofing underlayment.
- ✓ Exceeds ASTM D1970 & ASTM D4601 performance requirements.
- ✓ Provides excellent low temperature flexibility.

STORAGE

- Rolls must be stored indoors, in a dry location.
- Boxes must be stored on end only. Do not store in a leaning position.
- The rolls must be protected from the elements. Do not expose rolls to direct sunlight.
- Store rolls at room temperatures. Prolonged exposure to elevated temperatures may reduce the adhesive characteristics of the membrane.

COMPLIANCE

- Exceeds ASTM D1970 & ASTM D4601 standards.
- Approved by the Florida Building Code.

TYPICAL PROPERTIES

Physical Properties	ASTM Method	ASTM Value	Result
Maximum load, Longitudinal and Transverse, min, Kn/m [lbf / in]	D5147	4.4 [25]	75
Elongation at break, min of modified bitumen portion [%]	D5147	10	130
Tear resistance, Longitudinal and Transverse, min, N [lbf]	D5147	89 [20]	480
Adhesion to plywood min at 75°F, lbf/ft width	D1970	12	> 17
Sealability around nail	D1970	P/F	Pass
Waterproof integrity of lap seam	D1970	P/F	Pass
Low temperature flexibility (-20°F (-29°C))	D1970	P/F	-29°C

LIMITED WARRANTY AND DISCLAIMER:

To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact Perma-Tech Roofing Supply to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Liability, if any, is limited to replacement of product unless installed by an approved contractor in accordance with Perma-Tech Roofing Supply warranty procedures and program. For limited manufacturer's warranty and disclaimer information, visit our website at: www.permatechroofing.com.