

# SILVER

PermaFelt™ Built tough, Installs Easy

# TECHNICAL



## FOR USE UNDER

**SHINGLES, TILES, METAL OR WOODEN SHAKES**

Meets the following certifications:  
ICC-ES AC 188 (ESR-3126); Miami Dade; Intertek (ASTM D226, UL790, ASTM E108)

### PermaFelt™ INSTALLATION GUIDELINES:

PermaFelt™ must be installed above properly ventilated spaces, as per local building codes, and is considered to be a vapor barrier. The roof deck must be swept clean of dirt and debris and be smooth and dry before installation. PermaFelt™ is limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch. A sharp, straight edge cutting blade is recommended for cutting PermaFelt™. PermaFelt™ should be installed when the ambient air and substrate temperatures, at the time of installation, are above 40°F (4°C). PermaFelt™ is laid horizontally (parallel to the eave) with the print side up with 4 inch (10 cm) head laps and 6 inch (15 cm) side laps. Align head laps with the expected direction of flow of water in a shingling manner. PermaFelt™ should generally be used at slopes of 2:12 or greater. Follow the codes for low slopes as defined as 2:12 to 4:12 and steep slopes greater than 4:12 applications. In normal wind zones, PermaFelt™ is attached to the roof with roofing nails or staples having 1 inch (2.5 cm) diameter plastic or tin caps spaced at 6 inches (15 cm) on center on both head and end laps and 12 inches (30 cm) on center in the field area in the middle of the roll. Nails may be hand or machined applied but should be driven squarely into the deck to secure caps flush to the underlayment. In high wind zones, or coastal applications, decrease the spacing to 4 inches (10 cm) on center on both head and end laps with 12 inches (30 cm) on center in the field area. In areas subject to wind speeds in excess of 90 mph (145 km/h) (UBC), or wind speeds in excess of 110 mph (177 km/h) (IBC and IRC), PermaFelt™ should be applied as per Sections: 1507.2.8.1 of the IBC and Section R905.3.3.3 of the IRC. For roofs required to have an ice barrier under the IBC or IRC, or a severe climate underlayment under the UBC, a self-adhered polymer modified bitumen sheet, complying with ASTM D1970 or the ICC-ES Acceptance Criteria for Severe Climate Underlayment (AC48) shall be applied. The severe climate underlayment shall be applied over the solid substrate in sufficient courses that the underlayment extends up the roof a distance equal to the distance inside the exterior wall line of the building that is specified in the appropriate section of the applicable code. The PermaFelt™ underlayment shall overlap the severe climate underlayment. The use of staples without plastic caps (No. 16 gauge stainless steel staples with a minimum 7/16 inch (1.1 cm) crown) to attach PermaFelt™ is permitted only when the final roof cover is to be installed immediately following the installation of PermaFelt™. PermaFelt™ should be covered by the final roof covering as soon as possible as it is not designed for indefinite outdoor exposure. It is recommended that the final roof covering should be installed no later than 6 months after the installation of PermaFelt™. The procedures for new construction also apply for re-roofing applications after removal of the old roof covering and underlayments to expose the roof deck.

PermaFelt Silver™ is a nail down synthetic roofing felt that delivers exceptional weather barrier performance compared to traditional asphalt products and other synthetic underlayments. PF Silver™ is coated with a proprietary rubberized polyolefin slip resistant coating. The top side has an unsurpassed level of slip resistance with its unique anti-skid embossment. Its light weight makes it easier to handle on the roof, while still providing exceptional strength.

## PermaFelt Silver™

Basis Weight - 3.92 oz/yd<sup>2</sup> (+/- 10%) | Roll Weight - 2.9 lbs / square

Test	Product Specifications		Test Method
<b>Tensile Strength</b>	MD 112 LB	CD 103 LB	ASTM D1970
<b>Water Transmission</b>	PASS		ASTM E96
<b>Water Ponding</b>	PASS		AC48 Sec. 4.4
<b>Pliability</b>	PASS		AC48 Sec. 4.3
<b>Accelerated Aging</b>	PASS		AC48 Sec 4.7
<b>UV Weathering</b>	PASS - 6 Months Exposure		
<b>Class A Fire Resistance</b>	ASTM E108, UL 790, UBC 15-2		

\*Consult technical representative.



Meets or Exceeds Testing Standards:  
ICC-ES AC 188; ASTM D226; CAN/CSA A220.1

## SAFETY PRECAUTIONS

Read before use. Refer to MSDS for additional information.

- Always follow good roofing practices.
- Comply with all OSHA or other standards and codes for roof work.
- Always use a Fall Protection System when working on roofs.
- PermaFelt™ may be slippery when wet or covered with mud, dust, frost, ice or snow. Use roof jacks with planks, toe boards or storage platforms secured to the substrate to prevent slippage of stored material.
- Stay away from power lines; do not contact with body or equipment.
- On steep pitched surfaces, roof jacks with planks should be used for standing.
- Follow all ladder safety standards and codes.
- Never leave scraps, wrappers or other debris on the roof surface.
- Dispose of waste in accordance with local regulations.



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