PRO-20

Synthetic Roofing Underlayment

Installation Instructions:

Caution: Always follow Safety Instruction, Building Codes and Safe Work Practices issues by the local Govt. bodies (e.g. OSHA / WCB)

Use: FT Synthetics® products are a secondary layer protection approved for installation over plywood with proper fasteners on roof slopes 2:12 and greater. FT Synthetics underlayment is an air, vapor and water barrier with <1 Perm and therefore should be installed above a properly ventilated space. Product is a secondary barrier under a primary roofing product such as asphalt shingles, synthetic shingles, metal, tiles, and cedar shakes.

Preparation: Before installing the underlayment ensure that the roof is dry and clear of any debris or any sharp protrusions.

Installation: FT Synthetics underlayment is laid out horizontally with printed side up using 4" horizontal laps and 6" vertical laps. For prolonged exposure where driving rain or strong winds are expected it is recommended to double the overlaps. For low slope applications between 2:12 to 4:12, it is recommended to overlap 50% plus 1".

Fastening: FT Synthetics underlayment should be installed with plastic or metal (ring shank or smooth shank) cap-nails or cap-staples. Un-capped staples or standard roofing nails may be used if the primary roofing material is installed within 48 hours (unless rain or high winds are expected). Use of un-capped fasteners may result in a possibility of blow off or leakage around the fasteners.

Exposure: For short term coverage (48 hours) underlayment can be fastened using every other anchoring position as printed on the product. For extended exposure fasten the product using every anchoring position as printed on the product. All anchoring must be performed flush to the roof, 90 degrees to the roof deck that will hold the material tightly with the plywood. Product has 90 Days UV protection, but it should not be considered a final roofing system. A proper final roofing system should be installed over the product to get the proper protection.

Safety Notification:

FT Synthetics products are designed with the GRIPSPOT™ technology for better skid protection for the roofer but product may become slippery due to high moisture, frost, rain, water, dust, debris or other conditions. Use precautions when working on the roof. Follow all local and federal safety codes when installing any roofing system including FT Synthetics products. Failure to adhere to those procedures may result in serious injury or even death.

FT SYNTHETICS
Unit 1-13120 - 76th Avenue
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www.ftsyn.com

PRO-20

Membrane Synthétique Pour Toiture

Instructions d'installation :

Avertissement : Suivez toujours les consignes de sécurité, les codes du bâtiment et les pratiques de travail sécuritaires émis par les organismes gouvernementaux locaux (par exemple OSHA / WCB)

Utilisation: Les produits FT Synthetics® sont des couches de protections secondaires approuvées pour l'installation de contreplaqué avec des fixations appropriées sur des pentes de toit 2:12 et plus pentues. La sous-couche FT Synthetics est une barrière contre l'air, la vapeur et l'eau avec une perméabilité <1 qui par conséquent doit être installée par-dessus un espace adéquatement aéré. Le produit est une barrière secondaire sous un produit de toiture principal comme des bardeaux d'asphalte, synthétiques, de métal, et des bardeaux de cèdres.

Préparation: Avant d'installer la sous-couche, assurez-vous que le toit soit sec et libre de tout débris ou de toute protubérance tranchante.

Installation: La sous-couche FT Synthetics est étendue horizontalement avec le côté imprimé vers le haut en utilisant des chevauchements horizontaux de 4 po et verticaux de 6 po. Pour une exposition prolongée où de la pluie battante et de grands vents sont attendus, il est recommandé de doubler les chevauchements. Pour les applications sur une pente douce entre 2:12 à 4:12, il est recommandé de chevaucher à 50 % plus 1 po.

Fixations: La sous-couche FT Synthetics doit être installée avec des clous ou des agrafes à capuchon en plastique ou en métal (à tige baguée ou lisse). Des agrafes non couvertes ou des clous à toiture normaux peuvent être utilisés si le matériel de toiture principal est installé en moins de 48 heures (sauf si de la pluie ou des vents sont attendus). Utiliser des fixations non couvertes peut causer des pertes au vent ou des fuites autour des fixations.

Exposition: Pour une couverture à court terme (48 heures), la sous-couche peut être fixée en utilisant toute autre position d'ancrage comme indiqué sur le produit. Pour une exposition prolongée, fixez le produit en utilisant la position d'ancrage comme indiqué sur le produit. Tout ancrage doit être effectué au ras du toit, à 90 degrés par rapport au platelage de toit qui tiendra fermement le matériau avec le contreplaqué. Le produit a une protection UV de 90 jours, mais il ne devrait pas être considéré comme un système de toiture final. Un système de toiture final adéquat doit être installé sur le produit pour obtenir une protection appropriée.

Avis de sécurité :

Les produits FT Synthetics est conçu avec la technologie GRIPSPOT pour une meilleure protection contre le dérapage pour le couvreur, mais il peut devenir glissant à cause de la forte humidité, du gel, de la pluie, de l'eau, de poussières, de débris et d'autres conditions. Utilisez avec précaution lorsque vous travaillez sur le toit. Suivez tous les codes de sécurité locaux et fédéraux lors de l'installation d'un système de couverture de toiture, y compris les produits FT Synthetics. Ne pas respecter ces procédures peut entraîner des blessures graves ou même la mort.

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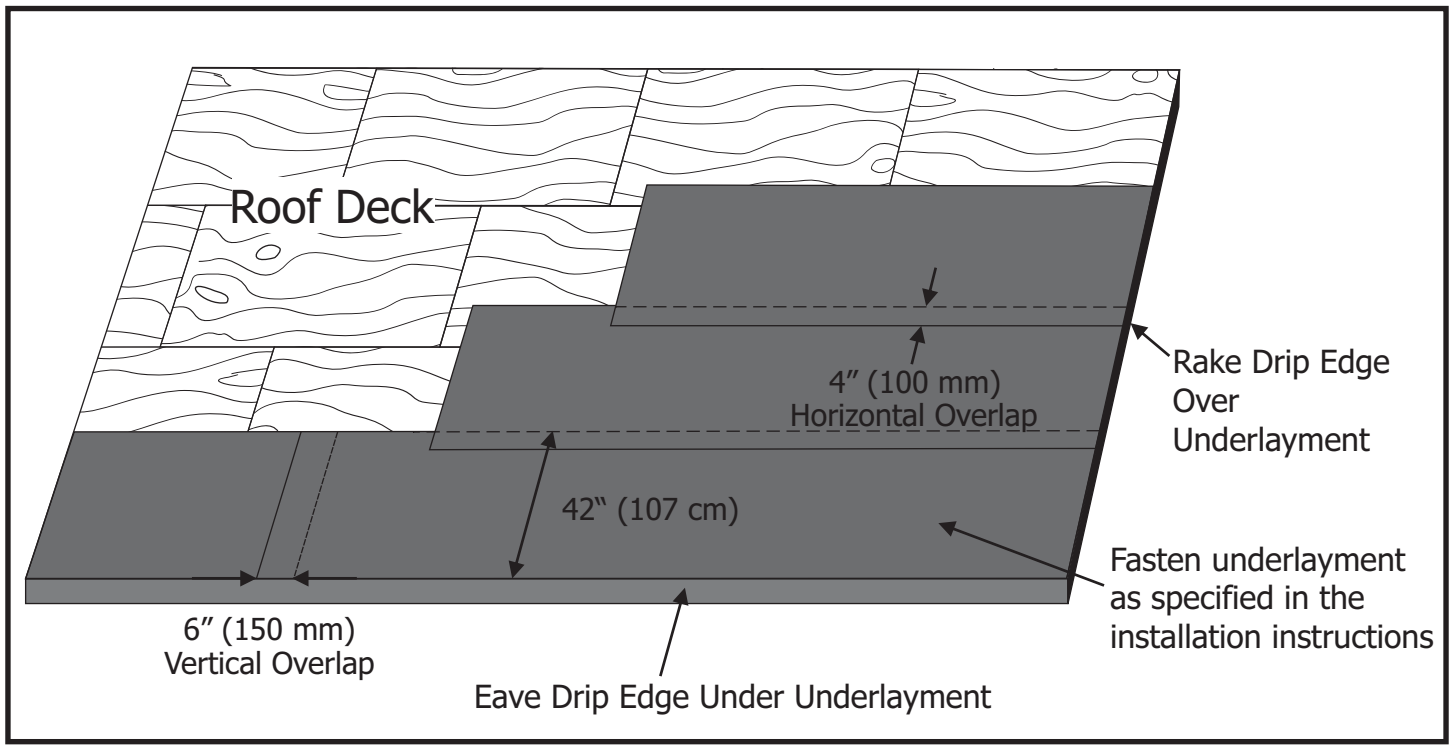
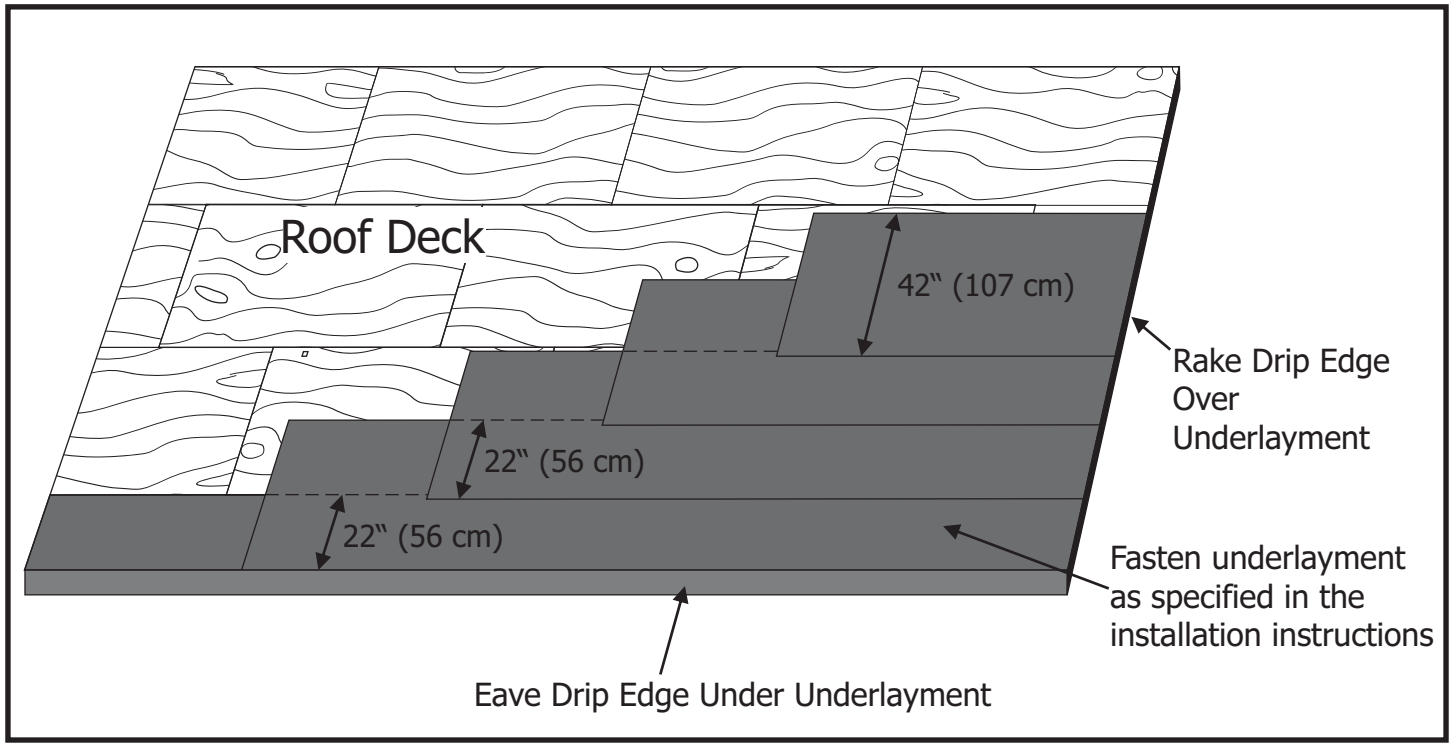
Single Layer Application of FT PRO-20

For slopes greater that 4:12 FT PRO-20 should be installed horizontally starting from the bottom of the roof with 4 inch overlaps working up the roof.



Double Layer Application of FT PRO-20

For slopes 2:12 to 4:12 FT PRO-20 should be installed horizontally starting from the bottom of the roof with 22 inch overlaps working up the roof.



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FT SYNTHETICS®

20 Year Limited Warranty

FT Synthetics Inc. ("FT Synthetics" the "Manufacturer") warrants to the purchaser (the "Building Owner") that its roofing underlayment product models; **PRO-20** and **SILVER** (the "Product"), if installed in strict accordance with the Manufacturer's installation instructions, are free of manufacturing defects and will retain their ability to shed water under the primary roofing material for twenty (20) years from the sales invoice date, provided the terms, conditions and limitations set forth herein are met. This Warranty does not apply if any part of the product is exposed to UV after roof cladding installation, and/or the product has been installed and left uncovered without roof cladding for more than ninety (90) days.

The manufacturers obligations are subject to the following terms, conditions and limitations:

1. **Installation:** The job conditions, surface preparation, design, and application must be in accordance with Manufacturer's written installation instructions and recognized industry building practices and standards.
2. **Remedy:** FT Synthetics agrees to provide either replacement product or refund the original purchase price paid for any portion of the above noted FT Synthetic product found to be defective. The remedy stated herein is the Building Owner's sole and exclusive remedy for defects in or failure of the materials supplied by the Manufacturer. The Manufacturer shall have no liability for any problems caused by leaks or defects caused by the failure of the roofing contractor to apply the Product in accordance with written instructions and specifications or recognized industry standards and practices. In no event shall the Manufacturer be held liable for damages and/or for special, incidental, indirect, punitive or consequential damages. The Manufacturer's liability on any claim of any kind for any loss or damage arising out of, in connection with, or resulting from the manufacturer, sale or resale of the Product shall not exceed the original purchase price of the Product.
3. **Sole and Exclusive Warranty:** This Warranty is exclusive and replaces all other warranties, whether express or implied, including the implied warranties of merchantability and fitness for a particular purpose or use. No employee, agent, or representative of the Manufacturer has authority to make or give any other warranty or vary any of the terms or conditions of this Warranty. No statements made in any of the Manufacturer's brochures, pamphlets, flyers, website, advertisements, or promotional materials of any kind constitute a warranty other than as set forth herein.
4. **Coverage Exclusions:** This warranty does not cover problems with non-defective product caused by conditions or handling beyond the manufacturers control. The following are conditions that are excluded from this Warranty:
   (a) Damage or leaks caused by;
      I. penetrations through the product (This includes penetrations by fasteners);
      II. natural forces, including but not limited to; gale-force winds, lightning, hail, fire, hurricanes or other similar natural causes.
      III. improper or faulty product installation, and or damage caused by alterations or repairs made after completion of the roof, including installation of structures, fixtures or utilities on or through the roof;
      IV. environmental fallout or overexposure to commercial industrial solvents, acids, caustic fluids, oils, waxes, gasses, absorbent clays, bleaches or plasticizers;
      V. objects falling on the roof (e.g. tree branches);
      VI. materials storage on the roof, or by excessive foot traffic on the roof;
      VII. failure of the underlying roofing structure resulting from defective design, improper construction, incorrect installation,
      VIII. settlement and or movement of the roof deck or roof accessories, including but not limited to vents, drains, curb units or other roof components;
      IX. ponding water or the absence of positive drainage within the warranted roof area;
      X. improper or inadequate roof ventilation, or infiltration or condensation of moisture in, through, around, or above the walls of the building. This includes mold growth caused by inadequate ventilation or moisture that exists in the building or that enters the building prior to or after the installation of the Product;
      XI. vandalism, animal abuse, acts of war or civil disturbances;
      XII. any other cause beyond the manufacturers control.
   (b) Color variations or fading of the product facer as the result of normal weathering or atmosphere conditions are cosmetic only and will not significantly affect the products performance or ability to shed water;
   (c) Cost of remediation or removal of hazardous materials, asbestos, mold, fungus, or any other contaminants;
   (d) Loss of profits or damage to business reputation, including costs associated with removing or replacing primary roofing materials;
5. **Notice & Claim Procedure:** The Building Owner shall notify the manufacturer of any potential claims under this Warranty within thirty (30) days of noticing a problem. You may report a claim by e-mail, fax or mail to FT Synthetics Technical Service Department per the contact information provided below. You will be required to provide proof of the date your FT Synthetic product was installed and that you were the owner of the property at that time. Your claim should describe the problem in detail and include pictures of the defective product. FT Synthetics may require you at your expense to send in a sample of the product in question for testing. All claims will be evaluated and resolved in a timely manner after proper notification, and in accordance with the terms of this limited warranty. FT Synthetics reserves the right to reserve warranty claim judgment pending a full field evaluation if it deems necessary. All correspondence regarding warranty claims to be sent to:

   FT Synthetics Inc.
   Attention: Warranty Department
   Unit 1 13120-76th Avenue,
   Surrey BC Canada V3W 2V6
   E-mail: warranty@ftsyn.com;
   Call toll free USA & Canada at 1-844-353-9839

6. **Non-Transferrable:** This Warranty applies to the original purchaser (Building Owner) only and is not transferred upon change of ownership of the building.
7. **Jurisdiction:** Any claim or dispute between the Building Owner and FT Synthetics arising out of this Warranty or relating to any material supplied by FT Synthetics shall be resolved in the provincial courts of British Columbia, Canada.
8. **Enforceability:** If any of the terms contained herein are unenforceable, such term shall be limited only to the extent necessary to make it enforceable, and all other terms shall remain in full force and effect.

The FT Logo and FT Synthetics® are registered trademarks of FT Synthetics

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