



## **INSTALLATION INSTRUCTIONS**

Viking Barriers Shield and Armor Synthetic Roof Underlayment should be applied using installation instructions to insure proper performance

### **Personal Protective Safety Equipment**

Always observe and practice safe roofing practice and follow OSHA and local safety requirement. It is suggested by Viking Barriers to wear protective safety harness and devices, and anti-slip roofing shoes when working on roofs. Failure to use appropriate safety equipment can results in serious injury. Use extreme caution when applying or walking on Viking Barrier Underlayment in wet conditions.

### **Preparation**

Apply Viking Barriers underlayment to a properly prepared dry acceptable, clean deck free of debris, protruding nails and compromised deck boards. Acceptable roof deck materials are typically 3/8" plywood or minimum 7/16 OSB. Roofers should confirm the local code requirements for deck materials in your area. It is critical that compromised or damaged deck material be replaced in accordance to local build code.

### **Fasteners**

Viking Barrier Underlayment must be attached to the roof deck using plastic or steel cap fasteners having a Minimum 1" diameter cap(Plastic or Tin). Roofing nails and pneumatic nail guns may be used for same day installations for all slopes. We do not recommend using staples as a method for application of Viking Barriers materials. Fasteners should be properly driven into the surface of the roofing underlayment so that cap have a positive pressure against the underlayment material..

Consult local and state building codes to confirm the area requirement of allowable fasteners and nail patter requirements.



### **Cutting...**

Always use scissors, sharp straight blade knife or sharp hook blade knife when cutting Viking Barriers underlayment.

**USE EXTREME CAUTION.** If applying Viking Barrier underlayment under non-asphaltic roofing materials such as slate, tile or metal. These roofing material are known to have sharp edges which can cause damage to underlayment during installations.

### **Installations Instructions**

#### **Lap Requirements – All Slopes**

4:12 Slope or Greater

- 1) Overlap 6" at the side lap and extend Viking Barriers underlayment 6" over the proceeding course. Use the alignment line printed on the material to assist in installations.
- 2) Overlap 6" on the end lap. A minimum of 6" overlap should be used and be offset from the adjacent end laps by a minimum of 4". 6" overlap should be used on both sides of valleys, hips and ridges.
- 3) Insure that the underlayment is rolled flat onto roof with minimum wrinkles to insure proper protection.

Slopes 2:12 to less than 4:12

- 1) Overlap 12" at the side lap and extend Viking Barriers underlayment 12" over the proceeding course. Overlap 12" on the end lap and on both sides of valleys, hips and ridges.
- 2) Overlap 12" on the end lap and offset from adjacent end lap by a minimum of 6".
- 3) Insure that the underlayment is rolled flat onto roof with minimum wrinkles to insure proper protection.



### **FASTEN Viking Barriers**

- 1) Standard nail pattern placement for Viking Barriers is printed on all materials with a bold black circle.
- 2) The main area of the underlayment is fasten with a 12" OC nailing pattern for normal wind conditions. The 12" oc pattern is used for both the upper and bottom edge of the underlayment. In high wind areas, consult the local code requirements for fastening patterns.
- 3) Fastening on the middle of the material is 24" oc and identified by bold black circles printed on the underlayment.
- 2) The fastening pattern using 6" on center (oc) is suggested on both the side and end laps in normal wind zones. In high wind areas, consult the local code requirements for fastening patterns.

### **Installation – High Wind Zones / Coastal Areas**

In high wind zones, laps and fastening patterns should be installed in accordance with local building codes. Please consult your local building inspector to confirm your local requirements.

### **PRECAUTIONS AND LIMITATIONS**

- 1) Always wear fall protection when working on a roof deck.
- 2) Slip guard™ construction offers superior grip during normal conditions but does not give traction on roofs exposed to moisture (rain, dew), frost, debris or dust.
- 3) Confirm with the tile or metal roof manufacturer if special installation or materials for underlayment are required.
- 4) Underlayment should be pulled taut and not stretched during installation.
- 5) Underlayment damaged (cuts, tears, etc.) during installation should be repaired before installation of roofing materials (shingle, tile or metal).