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DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07310—Shingles

REPORT HOLDER:

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EVALUATION SUBJECT:

PRESTIQUE® GRANDE AND DOMAIN® WINSLOW® ASPHALT SHINGLES

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2003 *International Building Code*® (IBC)
- 2003 *International Residential Code*® (IRC)
- 1998 *International One- and Two-Family Dwelling Code*® (IOTFDC)
- 1999 *Standard Building Code*® (SBC)
- 1997 *Uniform Building Code*™ (UBC)

Properties evaluated:

- Weather protection
- Wind resistance
- Fire classification

2.0 USES

The Prestique Grande and Domain Winslow asphalt shingles described in this report are asphalt shingles, with a factory-applied attached interply, that are recognized for use as an alternative to asphalt shingles meeting the requirements of ASTM D 3462 and the applicable code for Class A roof coverings.

3.0 DESCRIPTION

3.1 General:

The shingles are composed of a single layer of glass felt, impregnated and coated with asphalt on both sides and surfaced with mineral granules on the weather side and fine mineral granules on the back side. The shingles are self-sealing by means of dots of adhesive located on the back side. See Table 1 of this report for recognized products and manufacturing locations. See Table 2 of this report for adhesive dot size and location.

The attached interply is a non-asphaltic fabric that is factory-adhered to the top edge of the shingle fabric and

folded up at installation to provide water-resistance. The material used for the attached interply is manufactured of an inert-material-filled, polymer-coated, non-woven, fiberglass or fiberglass and polyester mat.

3.1.1 Prestique Grande Asphalt Shingles: Prestique Grande asphalt shingles are 18⁵/₈ inches (473 mm) wide by 36¹/₄ inches (921 mm) long, with an exposure of 8¹/₄ inches (210 mm).

3.1.2 Domain Winslow Asphalt Shingles: Domain Winslow asphalt shingles are 19³/₈ inches (492 mm) wide by 40¹/₂ inches (1029 mm) long, with an exposure of 5⁵/₈ inches (143 mm).

3.1.3 Hip and Ridge Shingles: Elk Z®-Ridge and Elk Seal-A-Ridge® are used as components of the Prestique Grande and Domain Winslow roofing systems. See ICC-ES report ESR-1475 for a description of these hip and ridge shingles.

3.1.4 Elk Starter Strip: Elk Starter Strip is used as a component of the Domain Winslow roofing systems. See ICC-ES report ESR-1475 for a description of the starter strip.

3.1.5 Prestique Grande Starter Strip: Prestique Grande Starter Strip is used as a component of the Prestique Grande roofing system. See ICC-ES report ESR-1475 for a description of the starter strip.

3.1.6 Domain Winslow Starter Strip: Domain Winslow Starter Strip asphalt shingles are manufactured from the same material as the Domain Winslow asphalt shingles and are used as a second starter course over the Elk Starter Strip for the Domain Winslow roofing system. The starter strip shingles are supplied in 13¹/₃-inch-wide-by-39¹/₂-inch-long (338 mm by 1003 mm) strips.

3.2 Fasteners:

Fasteners shall be minimum No. 12 gage [0.105-inch (2.7 mm)], ³/₈-inch-diameter-head (9.5 mm), corrosion-resistant nails. For jurisdictions adopting the IOTFDC or the UBC, minimum No. 16 gage [0.06-inch (1.5 mm)], ¹⁵/₁₆-inch-crown-width (23.8 mm), corrosion-resistant staples may be used with Prestique Grande asphalt shingles, when approved by the code official. Fasteners shall be of sufficient length to penetrate ³/₄ inch (19.1 mm) into the sheathing, or through the sheathing, whichever is less.

3.3 Underlayment:

For jurisdictions adopting the IBC or IRC, underlayment shall comply with ASTM D 226, Type I, or ASTM D 4869, Type I. For jurisdictions adopting the IOTFDC, SBC or UBC, underlayment shall comply with ASTM D 226, Type I or Type II. Alternatively, underlayment recognized in a current ICC-ES evaluation report, that complies with the ICC-ES Acceptance Criteria for Nonasphaltic Fiberglass-based Roof Underlayment (AC160) and that is recognized for use with Class A asphalt shingles, may be used, when approved by the code official.

4.0 INSTALLATION

4.1 General:

Installation of Prestique Grande and Domain Winslow asphalt shingles shall comply with this report, the applicable code and the manufacturer's published installation instructions. The manufacturer's published installation instructions shall be available at the jobsite at all times during installation. The roof deck shall be code-complying, minimum $\frac{3}{8}$ -inch-thick (9.5 mm), exterior plywood; $\frac{7}{16}$ -inch-thick (11.1 mm) orientated strand board (OSB); or solid sheathing using minimum nominal 1-by 6 lumber. The shingles shall be installed in accordance with IBC Table 1507.2, IRC Section R905.2, IOTFDC Table 903.1, SBC Section 1507.3 or UBC Table 15-B-1. See Figures 1 through 3 of this report for typical installation details.

4.1.1 Prestique Grande and Domain Winslow Asphalt Shingles: Roof slope shall be between 4:12 and 20:12. Underlayment shall be in accordance with Section 3.3 of this report, except for areas requiring ice protection. Ice protection in accordance with the applicable code shall be provided where the average daily temperature in January is 25°F (-3.9°C) or less, or where there is a possibility of ice forming along the eaves. In jurisdictions adopting the UBC, in severe climate areas subject to roof ice buildup, underlayment in accordance with UBC Table 15-B-1 shall be provided.

A Prestique Grande or Elk Starter Strip shall be attached to the eave edges using two fasteners complying with Section 3.2 of this report, in accordance with the manufacturer's published installation instructions and this report. The fasteners shall be located 2 inches (51 mm) from the eave edge and 1 inch (25.4 mm) from each side. The starter course shall be even with the rake edges and overhang the eave edges by $\frac{1}{2}$ to $\frac{3}{4}$ inch (12.7 to 19.1 mm). The shingles shall be applied by unfolding the attached interply and aligning the shingles even with the rake edge. Domain Winslow Starter Strip shall be used for the second course for the Domain Winslow roofing system. Shingle courses shall be offset from the course below by 8 inches (203 mm). This pattern shall be repeated for the remainder of the roof.

4.1.2 Shingle Sealing: In colder climates or wind regions where it is questionable whether the thermal-sealing adhesive will activate and seal the shingles, the shingles shall be hand-sealed using evenly spaced 1-inch-diameter (25.4 mm) spots of quick-setting asphalt adhesive cement, conforming to ASTM D 4586, Type I, Class I. The adhesive cement shall be placed under the exposed portion of the shingle, approximately 3 inches (76 mm) above the shingle butt.

4.2 Fastening:

4.2.1 Standard Fastening: Each Prestique Grande asphalt shingle shall be fastened to the roof deck with a minimum of four fasteners. Each Domain Winslow asphalt shingle shall be fastened to the roof deck with a minimum of five fasteners. One fastener is located 1 inch (25.4 mm) in from each edge, and the balance shall be evenly spaced across the width of the shingle. Fasteners shall be placed on the fastener line. See Figure 1 of this report for typical fastening details.

4.2.2 High-wind Applications: A minimum of six fasteners, for the Prestique Grande roofing system, or a minimum of eight nails, for the Domain Winslow roofing system, shall be placed as shown in Figure 1 of this report for the following conditions:

4.2.2.1 IBC: When the roof is installed in applications where the basic wind speed (3-second gust) is 110 mph (177 km/h) or greater.

4.2.2.2 IRC: When the roof is installed in areas where the basic wind speed (3-second gust) is 110 mph (177 km/h) or greater, as defined in Figure R301.2(4).

4.2.2.3 IOTFDC: When the roof is installed in a special wind zone as defined in Figure 301.2(4).

4.2.2.4 SBC: When the roof is installed in applications where the basic wind speed (fastest mile) is 90 mph (145 km/h) or greater.

4.2.2.5 UBC: In areas exposed to conditions where basic wind speeds (fastest mile) exceed 80 mph (129 km/h), on structures a maximum of 40 feet (12 192 mm) in height, in Exposure B areas, but where maximum basic wind speeds (fastest mile) are not greater than 110 mph (177 km/h), on structures a maximum of 30 feet (9144 mm) in height, in Exposure B areas. See UBC Section 1620.

4.2.3 Hip and Ridge Shingles: Hip and ridge shingles shall be placed evenly over hips and ridges and fastened to the roof deck with two fasteners, located on either side on the shingles, on the nail line. See Figure 3 of this report.

4.3 Valley Construction:

Open valleys are required for the installation of Domain Winslow asphalt shingles. Installation of Prestique Grande asphalt shingles may include closed-cut or California closed-cut methods, or woven valleys, which require 36-inch-wide (914 mm), minimum 50-pound-per-100-square-foot (2.4 kg/m²) coated roll roofing, complying with ASTM D 224, to be placed vertically in the valley over the required underlayment, in accordance with the applicable code.

For open valleys, or the California open valley, corrosion-resistant material, in accordance with the applicable code, is centered and placed vertically in the valley over the coated roll roofing. See Figure 2 of this report.

4.4 Reroofing:

When installed on existing Class A or Class C asphalt shingle roofs in accordance with this section, the Prestique Grande and Domain Winslow asphalt shingles are recognized as Class A roof coverings. Prestique Grande asphalt shingles are also recognized as Class A roof coverings when installed over existing wood shingles, in accordance with this section. The existing wood or asphalt shingle roof covering shall be inspected in accordance with the provisions and limitations of IBC Section 1510, IRC Section R907, IOTFDC Section 910, SBC Section 1510 or UBC Appendix Sections 1515 and 1516. Prior to reroofing, the hip and ridge shingles shall be removed and a single layer of Type 30, nonperforated, felt underlayment shall be installed over the existing wood shingles. Except as noted in this section, the shingles shall be installed in accordance with Sections 4.1 and 4.2 of this report. Flashing shall comply with IBC Sections 1510.5 and 1510.6, IRC Sections R907.5 and R907.6, IOTFDC Sections 910.4 and 910.5, SBC Sections 1510 and 1510.6 or UBC Section 1520.

5.0 CONDITIONS OF USE

The Prestique Grande and Domain Winslow asphalt shingles described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The products shall be manufactured, identified and installed in accordance with this report, the manufacturer's published installation instructions and the applicable code. If there is a conflict between the manufacturer's published installation instructions and this report, this report shall govern.

5.2 Elk Vented Ridge Crest and Elk Highpoint Ridge Vents have not been evaluated and are outside the scope of this report.

5.3 Domain Winslow asphalt shingles shall not be installed over existing wood shingles.

5.4 The products are manufactured in Ennis, Texas, and Shafter, California, under a quality control program with inspections by Underwriters Laboratories Inc. (AA-668).

6.0 EVIDENCE SUBMITTED

- 6.1 Manufacturer's published installation instructions.
- 6.2 Data in accordance with ICC-ES Evaluation Guideline for Asphalt Shingles Made with an Attached Interply (EG270), dated August 2004.
- 6.3 Quality control manuals.

7.0 IDENTIFICATION

Each package of Prestique Grande and Domain Winslow asphalt shingles shall be identified by a stamp bearing the

manufacturer's name (Elk Corporation of Dallas) and/or trademark, product brand, roof classification, the area of roof surface covered, style, color of the product, and a date code (including a code indicating the manufacturing plant). Additionally, each package of Prestique Grande and Domain Winslow asphalt shingles shall bear the label of the inspection agency (Underwriters Laboratories Inc.) and the evaluation report number (ESR-1001).

TABLE 1—PRODUCT MANUFACTURING LOCATIONS

PRODUCT	PLANT	
	Ennis, TX	Shafter, CA
Prestique Grande Asphalt Shingles	X	—
Domain Winslow Asphalt Shingles	—	X
Elk Seal-A-Ridge ¹	—	—
Elk Z-Ridge	X	X
Elk Starter Strip ¹	—	—
Prestique Grande Starter Strip ^{1,2}	—	—
Domain Winslow Starter Strip	—	X

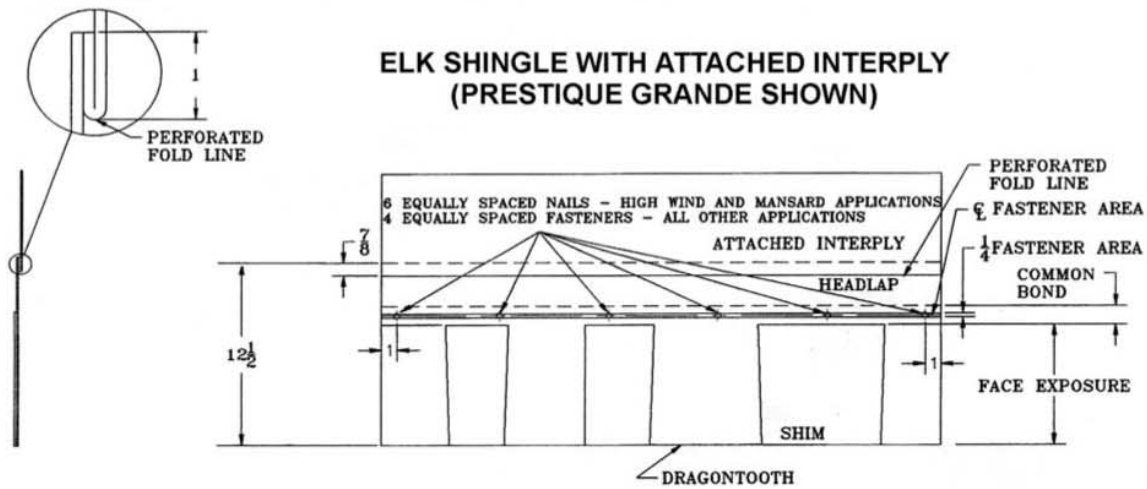
¹See ICC-ES evaluation report ESR-1475.

²Prestique Grande Starter Strip is identical to Elk Starter Strip, except for color and name.

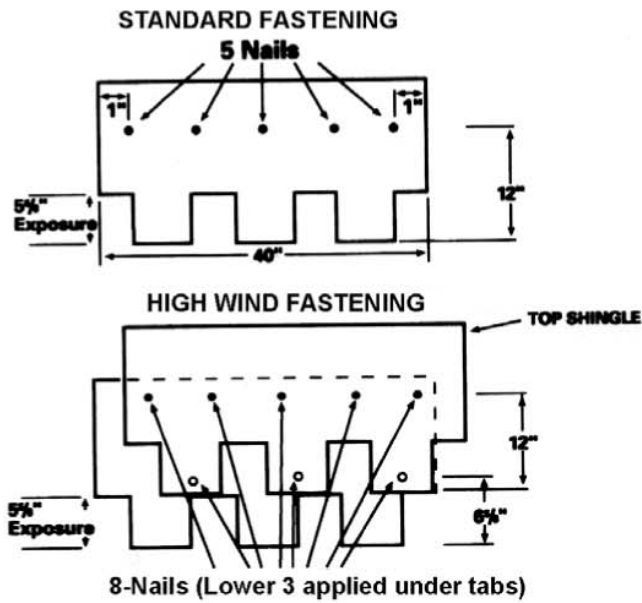
TABLE 2—ADHESIVE SIZE AND LOCATION

SHINGLE	SHINGLE FACE	ADHESIVE DIMENSIONS (inches)
Prestique Grande	Back side	$\frac{3}{8}$ inch wide by $3\frac{1}{2}$ inches long, spaced 1 inch apart and centered $\frac{7}{8}$ inch above the shingle butt
Domain Winslow	Back side	$\frac{3}{8}$ inch wide by greater than 3 inches long, spaced $\frac{3}{4}$ inch apart and centered $\pm 1\frac{1}{8}$ inches above the shingle butt

For **SI**: 1 inch = 25.4 mm.



Domain Winslow



Prestique Grande

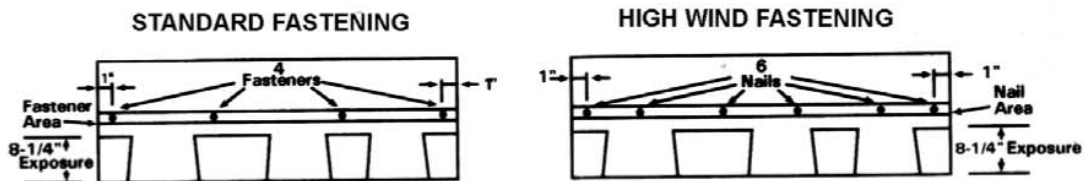


FIGURE 1—TYPICAL INSTALLATION DETAILS

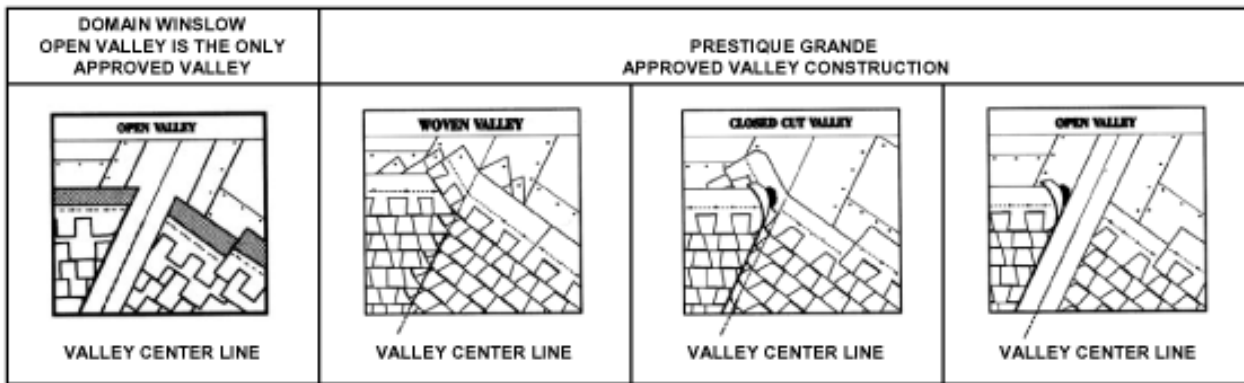


FIGURE 2—TYPICAL VALLEY INSTALLATION DETAILS

Z-RIDGE DIRECTIONS FOR APPLICATION

GENERAL

Each 13-1/4"x39-3/8" strip is scored for separation into 4 hip or ridge shingles with exposure to be 5-5/8".

HIPS

Trim applied shingles even with top of hip. Separate Z ridge shingles into four individual pieces. Install starter on leading edge of hip. Fold separated shingles on fold lines. Place Z ridge shingles so that half of shingle extends on each side of hip. Overhang a maximum of 1/4" to 3/8" and line which is 6-1/2" from the butt edge (in triple fold area) expose shingle 5-5/8" to the weather. Nail two nails on the and 1" from each side.

RIDGES

Trim applied shingles on one side of roof even with ridge; carry shingles on opposite side over ridge and fasten securely. Separate Z ridge shingles into 4 individual pieces. Install starter on leading edge of ridge. Fold separated shingles on fold lines.

Place Z ridge shingles so that half a shingle extends down each side of ridge. Overhang a maximum of 1/4" to 3/8" and expose shingles 5-5/8" to the weather. Nail two nails on the nail line which is 6-1/2" from the butt edge (in triple fold area) and 1" from each side, each side.

NOTE

For best results in high wind areas, butts of all Z ridge shingles should be tabbed down with spot applications of asphalt plastic cement. Direct butts away from prevailing winds.

FASTENERS

NAIL ONLY - Galvanized, 3/8" head, 10 to 12 gauge barbed shank roofing nails. 1-3/4" nails are required on new construction, 2" nails are required on reroofing.

CHALK LINES

Vertical chalk lines should be used to insure good shingle alignment.

For ease of separation and handling during hot weather, Z ridge shingles should be kept in a shaded area out of direct sunlight.

SEAL-A-RIDGE DIRECTIONS FOR APPLICATION

GENERAL - Each 12" X 36" strip is scored for separation into 3 hip or ridge shingles with exposure to be 6-2/3".

HIPS - Trim applied shingles even with top of hip. Bend Seal-A-Ridge shingles so that half of shingles extend on each side of hip. Nail 7-1/8" back from butt edge and 1" in from each side. Final shingle should be set in a solid troweling of asphalt plastic cement.

RIDGES - Trim applied shingles on one side of roof even with ridge; carry shingles on opposite side over ridge and fasten securely. Bend Seal-A-Ridge shingles so that half of shingles extend down each side. Direct butts away from prevailing winds. Expose shingles 6-2/3" to the weather, nailing 7-1/8" from butt edge and 1" in from each side. Final shingles should be set in a solid troweling of asphalt plastic cement.

FIGURE 3—TYPICAL RIDGE INSTALLATION DETAILS