


**TECHNICAL DETAILS**

<b>WIDTH ± 1/8"</b> 19 1/4" 489 mm	<b>LENGTH ± 1/8"</b> 38 1/4" 972 mm
<b>EXPOSURE</b> 5 3/4" 146 mm	<b>GRANULE ADHESION</b> 0.35 g Typical Results
<b>SHINGLES/SQUARE</b> 65 5 bundles/square	<b>SQUARES/PALLET</b> 6 from OR/CA/OK

**TEST COMPLIANCE**

<b>ASTM</b> D7158 Class H	<b>ASTM</b> D3462
<b>ASTM</b> D3161 Class F	<b>ASTM</b> D3018 Type I
<b>ASTM</b> E108 Class A Fire Rating	<b>UL RATING</b> 2218 Class 4
<b>CSA</b> A123.5	

**FEATURES & BENEFITS**

- Flexor™ SBS polymer modified asphalt
- Extreme weather protection
- All-weather flexibility
- Superior granular embedment
- Rain seal protection
- Easy application
- Scotchgard™ protection from 3M
- Limited Lifetime Shingle Warranty
- Limited & Enhanced Wind Warranties

## ELEGANT HEAVYWEIGHT FLEXOR™ SBS POLYMER MODIFIED DESIGNER SHINGLES


**PRODUCT USE**

The Windsor® XL shingle with Scotchgard™ is a Flexor™ SBS polymer modified asphalt shingle manufactured for the premium designer market. It provides increased flexibility, higher tensile strength, tear resistance, premium impact resistance, and features Scotchgard™ Protector from 3M for added protection against black streaks caused by algae. Windsor® XL has a 5 3/4" exposure, one of the largest in the industry. It shares the positive attributes of its 285 Windsor® shingle counterpart but has increased thickness, a nominal 1/4".

**COMPOSITION & MATERIALS**

Windsor® XL is a mineral-surfaced, self-sealing shingle, made with a Flexor™ SBS polymer modified asphalt coating on fiberglass reinforcement, and carries a Class 'A' fire rating. In addition to standard roofing granules, the Windsor® is surfaced with 10% or more algae-resistant, ceramic granules.

**APPLICATION**

Shingles should be applied over a Malarkey underlayment or an approved, code-compliant substitute. Installation instructions are available on the shingle wrapper, at [WWW.MALARKEYROOFING.COM](http://WWW.MALARKEYROOFING.COM), or by contacting your local Malarkey representative. Industry standards are found in NRCA manuals. Shingles should be attached to decking with approved fasteners, and Malarkey recommends the use of corrosion-resistant nails for this purpose. Staples are not allowed.

**PRECAUTION**

For best results, Malarkey recommends Windsor® XL shingles be protected from the weather and stored in a cool, dry, well-ventilated area until applied. Do not double-stack pallets. Do not use on roofs where the slope is less than 2:12 (2" [51 mm] per 12" [305 mm]). For slopes 2:12 up to 4:12 (4" [102 mm] per 12" [305 mm]), a double layer of underlayment is required. Windsor® XL shingles have a factory-applied self-sealing strip that activates in warm weather. When applied in cold weather or windy locations, hand-sealing is recommended but not required if sealant activates. On slopes 21:12 (21" [533 mm] per 12" [305 mm]) and greater, hand-sealing of tabs and nine nails are required. Contact Malarkey for further conditions and instructions.

**WARRANTY**

The Windsor® XL shingle carries a Limited Lifetime Warranty, a 110 mph (177 kph) Limited Wind Warranty, and can be combined with other Malarkey products for a 140 mph (225 kph) Enhanced Wind Warranty. Windsor® XL also carries Malarkey's Limited Lifetime Scotchgard™ Protector Warranty against algae growth and staining. Contact your roofing contractor, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

Windsor® XL and other Malarkey products are available throughout North America and Pacific Rim countries. Visit [WWW.MALARKEYROOFING.COM](http://WWW.MALARKEYROOFING.COM) for additional product information and availability.

Note: Malarkey Roofing Products® inventory SKU number for this product: 290 Windsor® XL featuring Scotchgard™ Protector from 3M

**TECHNICAL ASSISTANCE:**

Malarkey has technical services assistance available.  
Contact Malarkey for details:  
Call weekdays 7:00 am to 5:00 pm PST,  
at 800.545.1191 or 503.283.1191.  
[technicalinquiries@malarkeyroofing.com](mailto:technicalinquiries@malarkeyroofing.com)

**CORPORATE OFFICE:**

3131 N. Columbia Blvd. Telephone: 503.283.1191  
Portland, OR 97217-7472 or 800.545.1191  
P.O. Box 17217 Fax: 503.289.7644  
Portland, OR 97217-0217