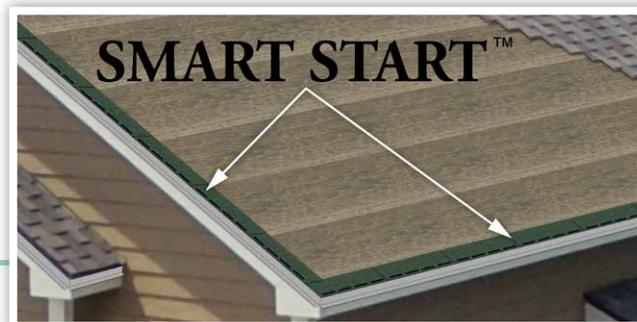


TECHNICAL DETAILS

FULL-SIZE SHINGLE 16 ³ / ₈ " x 38 ¹ / ₄ " 416 mm x 972 mm	PIECE SIZE 8 ³ / ₁₆ " x 38 ¹ / ₄ " 208 mm x 972 mm
LINEAR FT./BUNDLE 114' 9" 35 m	GRANULE ADHESION 0.3 g Typical Results
SHINGLES/BUNDLE 18 full-size 36 pieces	BUNDLES/PALLET 21

NEX® POLYMER MODIFIED SMART START™ STARTER SHINGLES



TEST COMPLIANCE

ASTM D3462	ASTM D3161 Class F
ASTM E108 Class A Fire Rating	

FEATURES & BENEFITS

- Full-size starter shingle
- Sustainable NEX® asphalt technology
- Separates at perforation to provide two code-compliant starter shingles
- Seal-down strip holds first course shingles fast to the eave
- Protects against moisture intrusion and blow-off

PRODUCT USE

The 210 Smart Start™ shingle is perforated to be separated into two full-size, code-compliant starter shingles for up to 6³/₁₆" exposure (see drawing below). The perforation saves time and is safer than hand-cutting shingles. Smart Start™ is required under Malarkey shingles at the eave to provide a secure seal between the starter and first course shingles, helping prevent blow-offs and moisture intrusion on steep slope roofing. It is also *recommended* for the rakes to provide a clean edge and increase wind resistance.

COMPOSITION & MATERIALS

Smart Start™ is manufactured on a non-woven fiberglass mat, coated on both sides with NEX® polymer modified bitumen (asphalt) compounded with a fire-retardant mineral stabilizer, and mineral surfaced.

APPLICATION

Smart Start™ shingles should be applied over a Malarkey underlayment (or an approved, code-compliant substitute) and under the first course of shingles. Windsor® *designer* shingle installations require Smart Start™ under Windsor® Starter shingles. Complete installation instructions are available on the shingle wrapper by scanning the corresponding Quick Response (QR) code, on our website at 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 Smart Start™ 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]). In high wind areas and on slopes greater than 21" (533 mm) per 12" (305 mm), fastening with six nails is required. Contact Malarkey for further conditions and instructions.

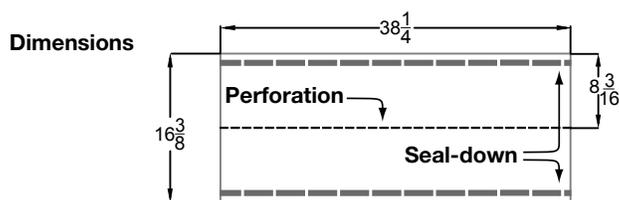
WARRANTY

Smart Start™ is eligible for *Limited Lifetime Warranty* coverage™ when used in conjunction with Malarkey shingles and one other Malarkey accessory. See Malarkey's *Shingle & Accessory Warranty* for complete details on all warranty coverages available. Contact your roofing contractor, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

Smart Start™ and other Malarkey products are available throughout North America and Pacific Rim countries. Visit WWW.MALARKEYROOFING.COM for additional product information and availability.

Note: Malarkey Roofing Products® inventory SKU number for this product: 210 Smart Start™

ILLUSTRATION



TECHNICAL ASSISTANCE:

Malarkey has technical services assistance available. Contact Malarkey for details:
Call weekdays 7:00 am to 5:00 pm Pacific Time,
at 800.545.1191 or 503.283.1191.
technicalinquiries@malarkeyroofing.com

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