


**TECHNICAL DETAILS**

<b>WEIGHT/ROLL</b> 30 lbs. 13.6 kg	<b>ROLL SIZE</b> 10 square roll
<b>WIDTH</b> 48" 1.2 m	<b>LENGTH</b> 250' 76.2 m
<b>TOTAL AREA PER ROLL</b> 1000 ft <sup>2</sup> 92.9 m <sup>2</sup>	<b>THICKNESS</b> 15±1 mils nominal
<b>ROLLS/PALLET</b> 36 from OR/CA/OK	

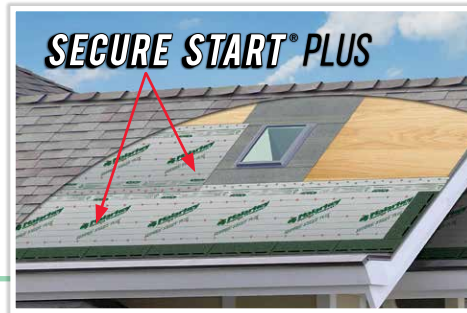
**TEST COMPLIANCE**

<b>ASTM</b> D226	<b>ASTM</b> D4869
<b>ASTM</b> E108 Class A Fire Rating	<b>ICC-ES</b> AC188
<b>CODE APPROVAL</b> CCRR-1082	<b>FBC APPROVAL</b> FL23186
<b>CAN/CSA</b> A123.3	

**FEATURES & BENEFITS**

- Anti-skid surfaces, top and bottom
- Lays flat, straight, and wrinkle free
- UV exposure up to six (6) months
- UL Class A Fire Rated when installed with a Fire Rated Roof Covering
- 100% recyclable

## STEEP SLOPE SYNTHETIC UNDERLAYMENT



**PRODUCT USE**

Malarkey Secure Start® Plus Synthetic Underlayment is a lightweight, synthetic membrane suitable for use as a water-shedding underlayment or dry-in sheet in steep slope roofing applications with asphalt shingles, wood shakes/shingles, metal, and mechanically-fastened roof tiles. Secure Start® Plus is approved for use under fire-rated, code-compliant roof coverings. Please contact Malarkey's Technical Services Department for confirmation of roof systems.

**COMPOSITION & MATERIALS**

Secure Start® Plus is a synthetic underlayment, polyolefin based, manufactured of 100% recyclable polypropylene, and engineered with five (5) layers for improved durability. The sheet has course lap guide lines every 4" (102 mm) and designated fastener locations.

**APPLICATION**

Secure Start® Plus shall be applied as specified. Roof decks should be sound, smooth, meet necessary local requirements, and be dry at the time of installation. Minimum approved slope is 2" (51 mm) per 12" (305 mm). Malarkey recommends minimum 4" (102 mm) side laps and fastening where indicated on the sheet relative to extent of weather exposure and other conditions. Secure Start® Plus may be left exposed for up to six (6) months but is only part of a finished roofing system and not the primary roofing surface. Complete installation instructions can be found at [WWW.MALARKEYROOFING.COM](http://WWW.MALARKEYROOFING.COM) or by contacting our Technical Services Department.

**PRECAUTION**

For best results, Malarkey recommends Secure Start® Plus be protected from the weather and stored on end in a cool, dry, well-ventilated area until applied.

**WARRANTY**

Secure Start® Plus is eligible for expanded warranty coverages relative to its use as a single roofing accessory or in combination with others in a complete Malarkey roofing system. Installed separately, it carries a 10-year product warranty against manufacturing defects. Contact your roofing contractor, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

Secure Start® Plus Synthetic Underlayment 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.

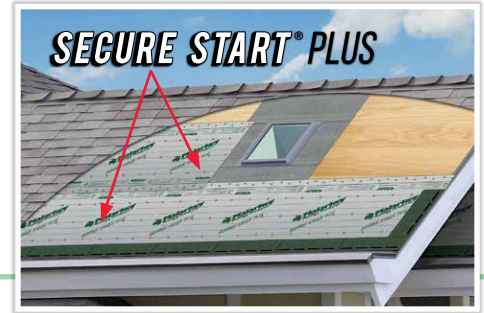
Note: Malarkey Roofing Products® inventory SKU number for this product: 1031 Secure Start® Plus

**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](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



## STEEP SLOPE SYNTHETIC UNDERLAYMENT

PHYSICAL PROPERTIES	TEST METHOD	SPECIFICATION
Breaking Strength MD	ASTM D5034	136 lbs (61.7 kg)
Breaking Strength CD	ASTM D5034	128 lbs (58.1 kg)
Tear Strength MD	ASTM D4533	32 lbs (14.5 kg)
Tear Strength CD	ASTM D4533	31 lbs (14.1 kg)
Liquid Water Transmission	ASTM D4869	Pass
Water Vapor Transmission	ASTM E96	< 0.05 perms
Pliability	ASTM D226	Pass

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