SMART START™

STARTER SHINGLE

Note: Malarkey Roofing Products™ (Malarkey) Inventory SKU numbers for this product: 220

Product Description

Product Use: Smart Start™ starter shingle is used in shingled steep slope roofing systems. Smart Start™ is specifically designed to increase protection against moisture intrusion and blow-off. Smart Start™ is recommended for use on eaves, suggested for increased wind protection at rakes and can be used on new construction, re-roofs and recover roofing applications.

Composition and Materials: Smart Start™ is mineral surfaced with fire retardant fillers on a Malarkey fiberglass mat.

Technical Data

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight/ Bundle</td>
<td>81.25 lbs (36.9 kg)</td>
</tr>
<tr>
<td>Coverage</td>
<td>73.33 linear feet (22.4 m)</td>
</tr>
<tr>
<td>Shingles/ Bundle</td>
<td>22 shingles</td>
</tr>
<tr>
<td>Bundles/ Pallet</td>
<td>48 Bundles</td>
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</tbody>
</table>

Dimensions

- Perforation: 40" (± ⅛") (1.02 m)
- Seal-down: 13⅛" (± ⅛") (.33 m)

Application

Application Procedure: Smart Start™ should be applied over underlayment, Malarkey Right Start™ UDL or an approved substitute. Installation instructions are available on the Smart Start™ wrapper, at WWW.MALARKEYROOFING.COM or by contacting your local Malarkey representative. Industry standards can be found in NRCA manual. Starter should be attached to decking with approved fasteners. Malarkey recommends the use of nails for fastening. Contact Malarkey's Technical Department for details.

Precautions: Do not use Smart Start™ on roofs where the slope is less than 2". For slopes 2" to 4" additional deck protection is recommended and may be required by code.

Technical Assistance: Malarkey has technical services assistance available. Contact Malarkey for details at (800) 545-1191 or (503) 283-1191, weekdays 7:00 am to 5:00 pm Pacific Time.

Warranty

Malarkey Roofing Products™ offers various warranties to match the warranty of the Malarkey roofing shingle used. An Enhanced Wind Warranty is also available for most Malarkey shingles when warranty requirements are met, including use of Smart Start™ in shingle installation. Contact your roofer, local distribution center or Malarkey for full details.

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.