Multi-Ply Systems
Product Line
Modified and Conventional
Built-Up Roofing Systems
Multi-ply bituminous systems provide durability through redundant layers of protection. From conventional systems to SBS polymer modified or hybrid systems, multi-ply roofing can be adapted to meet a wide variety of roofing needs.

Malarkey offers a wide array of different application assemblies: Hot asphalt, cold process adhesives, self-adhering, torch applied and combinations of each and can include Class 4 impact resistant assemblies and reflective cap sheets. Contact your local Malarkey sales representative or our Technical Services Department to assist you in your needs.
## Malarkey's Commercial NDL Warrantied Systems

<table>
<thead>
<tr>
<th>Length</th>
<th>Initial Ply/Base Sheet Attachment</th>
<th>Base Sheet</th>
<th>Ply Sheet(s)</th>
<th>Cap Sheet</th>
<th>Number of Sheets Fully Adhered</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 year</td>
<td>Fully adhered over insulation/cover board</td>
<td>Not Required</td>
<td>Any ASTM D6163 Base Sheet fully adhered</td>
<td>Any Cap Sheet fully adhered</td>
<td>2 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Mechanically attached to nailable deck</td>
<td>Any SBS Base Sheet</td>
<td>Any ASTM D6163 Base Sheet fully adhered</td>
<td>Any ASTM D6163 Cap Sheet fully adhered</td>
<td>2 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Fully adhered over insulation/cover board</td>
<td>Not Required</td>
<td>Any ASTM D6163 Base Sheet fully adhered</td>
<td>Any ASTM D6163 Cap Sheet fully adhered</td>
<td>2 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Fully adhered over insulation/cover board</td>
<td>Not Required</td>
<td>Any Base Sheet</td>
<td>Any Cap Sheet fully adhered</td>
<td>3 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Mechanically attached to nailable deck</td>
<td>Any Base Sheet</td>
<td>Any SBS Ply Sheet fully adhered</td>
<td>Any Cap Sheet fully adhered</td>
<td>3 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Fully adhered over insulation and cover board</td>
<td>Not Required</td>
<td>Any SBS Ply Sheet fully adhered</td>
<td>Any Cap Sheet fully adhered</td>
<td>3 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Mechanically attached to nailable deck</td>
<td>Any Base Sheet</td>
<td>Any SBS Ply Sheet fully adhered</td>
<td>Any Cap Sheet fully adhered</td>
<td>3 or more</td>
</tr>
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<td>20 year</td>
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<td>Any Cap Sheet fully adhered</td>
<td>2 or more</td>
</tr>
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<td>20 year</td>
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<td>Any Base Sheet</td>
<td>Any SBS Ply Sheet fully adhered</td>
<td>Any Cap Sheet fully adhered</td>
<td>4 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Fully adhered over insulation/cover board</td>
<td>Not Required</td>
<td>Any SBS Ply Sheet fully adhered</td>
<td>Flood Coat and Gravel</td>
<td>4 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Mechanically attached to nailable deck</td>
<td>Any Base Sheet</td>
<td>Any SBS Ply Sheet fully adhered</td>
<td>Flood Coat and Gravel</td>
<td>4 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Fully adhered over insulation/cover board</td>
<td>Not Required</td>
<td>Any SBS Ply Sheet fully adhered</td>
<td>Flood Coat and Gravel</td>
<td>4 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Fully adhered over insulation and DD Prime</td>
<td>Not Required</td>
<td>2 or more plies of SBS Ply Sheet</td>
<td>Any Cap Sheet</td>
<td>3 or more</td>
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<tr>
<td>20 year</td>
<td>Mechanically attached to nailable deck</td>
<td>Ultralite Base</td>
<td>Any SBS Ply Sheet</td>
<td>Any Cap Sheet</td>
<td>3 or more</td>
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<tr>
<td>20 year</td>
<td>Fully adhered over insulation and DD Prime</td>
<td>Not Required</td>
<td>Ultralite Base/Ply Sheet</td>
<td>Any Cap Sheet</td>
<td>2 or more</td>
</tr>
<tr>
<td>20 year</td>
<td>Mechanically attached to nailable deck</td>
<td>Ultralite Base</td>
<td>Ultralite Base/Ply Sheet</td>
<td>Any Cap Sheet</td>
<td>2 or more</td>
</tr>
</tbody>
</table>

**Shorter term warranties are available. Please refer to Malarkey's Specifications Manual or contact our Technical Services Department for more information.**

**Multiple system warranties available.**
Paragon® membranes feature durable SBS polymer modified asphalt. The Paragon® line provides a versatile system solution with a variety of application methods, including Paragon® RCap™, a highly reflective, fiberglass cap sheet.

For detailed color information, please refer to the color chart on page 14.

SBS Polymer Modified Fiberglass Base Sheet
- ASTM D4601 Type II
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 92 lbs. (41.7 kg)
Coverage: 3 square
Width: 39 3⁄8" (1 m)
Length: 99' (30.2 m)
Rolls/Pallet: 20

Premium SBS Polymer Modified Fiberglass Base Sheet
- ASTM D6163 Type I, Grade S; ASTM D4601 Type II
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 90 lbs. (40.8 kg)
Coverage: 1.5 square
Width: 39 3⁄8" (1 m)
Length: 50' (15.2 m)
Rolls/Pallet: 20

Self-Adhering Premium SBS Polymer Modified High-Tensile Fiberglass Base Sheet
- ASTM D1870; ASTM D6163 Type I, Grade S
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 85 lbs. (38.6 kg)
Coverage: 1 square
Width: 39 3⁄8" (1 m)
Length: 33' (10.1 m)
Rolls/Pallet: 20

SBS Polymer Modified Torch Grade Fiberglass Base Sheet
- ASTM D6163 Type I, Grade S
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 76 lbs. (34.5 kg)
Coverage: 1 square
Width: 39 3⁄8" (1 m)
Length: 33' (10.1 m)
Rolls/Pallet: 28

Premium SBS Polymer Modified Torch Grade Fiberglass Cap Sheet
- ASTM D6163 Type I, Grade G
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 107 lbs. (48.5 kg)
Coverage: 1 square
Width: 39 3⁄8" (1 m)
Length: 34' (10.4 m)
Rolls/Pallet: 20

SBS Polymer Modified Granule-Surfaced Fiberglass Cap Sheet
- ASTM D3909
- Listed in various fire assemblies

Approx. Wt./Roll: 78 lbs. (35.4 kg)
Coverage: 1 square
Width: 39 3⁄8" (1 m)
Length: 33' (10.1 m)
Rolls/Pallet: 30

Premium SBS Polymer Modified Granule-Surfaced Fiberglass Cap Sheet
- ASTM D6163 Type I, Grade G
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 100 lbs. (45.4 kg)
Coverage: 1 square
Width: 39 3⁄8" (1 m)
Length: 34' (10.4 m)
Rolls/Pallet: 20

Premium SBS Polymer Modified Granule-Surfaced Torch Grade Fiberglass Cap Sheet
- ASTM D6163 Type I, Grade G
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 107 lbs. (48.5 kg)
Coverage: 1 square
Width: 39 3⁄8" (1 m)
Length: 34' (10.4 m)
Rolls/Pallet: 20
Reflective cap sheets are designed to reduce the amount of heat entering the building, which can potentially extend the life of the roof in hot climates. RCap™ membranes feature a highly solar reflective white granule surface.

REFLECTIVE CAP SHEETS

SBS Polymer Modified Reflective Granule-Surfaced Fiberglass Cap Sheet
- ASTM D3909
- Listed in various fire assemblies
- CRRC Listed (SRI: 78)
- Meets CEC Title 24, Part 6 Cool Roof Requirements
- Approx. Wt./Roll: 78 lbs. (35.4 kg)
- Coverage: 1 square
- Width: 39 3⁄8" (1 m)
- Length: 33' (10.1 m)
- Rolls/Pallet: 30

Premium SBS Polymer Modified Reflective Granule-Surfaced Fiberglass Cap Sheet
- ASTM D3909, D6163 Type I, Grade G
- Listed in various fire assemblies; FM Approved
- CRRC Listed (SRI: 78)
- Meets CEC Title 24, Part 6 Cool Roof Requirements
- Approx. Wt./Roll: 100 lbs. (45.4 kg)
- Coverage: 1 square
- Width: 39 3⁄8" (1 m)
- Length: 34' (10.4 m)
- Rolls/Pallet: 20

RCap® Plus

PARAGON® RCap
Pano™ membranes feature conventional asphalt for quality built-up roofing systems. Conventional Pano™ membranes can also be used in combination with membranes containing polymer modified asphalt to create a wide range of hybrid systems.

For detailed color information, please refer to the color chart on page 14.

**Fiberglass Reinforced Base Sheet**
- ASTM D4601 Type II
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 75 lbs. [34.2 kg]
Coverage: 3 square
Width: 39 3⁄8" (1 m)
Length: 99' (30.2 m)
Rolls/Pallet: 20

**Fiberglass Reinforced Ply Sheet**
- ASTM D2178 Type IV; UL 55A Type G1
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 38 lbs. [17.2 kg]
Coverage: 5 square
Width: 39 3⁄8" (1 m)
Length: 165' (50.3 m)
Rolls/Pallet: 30

**Fiberglass Reinforced Ply Sheet**
- ASTM D2178 Type VI; UL 55A Type G1
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 42 lbs. [19.5 kg]
Coverage: 5 square
Width: 39 3⁄8" (1 m)
Length: 165' (50.3 m)
Rolls/Pallet: 25

**Fiberglass Reinforced Cap Sheets**
- ASTM D3909; UL 55A Type G3
- Listed in various fire assemblies
- FM Approved

Approx. Wt./Roll: 75 lbs. [34.2 kg]
Coverage: 1 square
Width: 39 3⁄8" (1 m)
Length: 33' (10.1 m)
Rolls/Pallet: 30
The high-performance OmniSeal™ System features self-adhering membranes made of durable SBS polymer modified asphalt. This easy-to-install system offers multiple assembly options for two- and three-ply roofing systems. OmniSeal™ membranes provide exceptional adhesive properties and superior strength.

For detailed color information, please refer to the color chart on page 14.
**OUR COMMITMENT TO COMMERCIAL QUALITY**

Malarkey offers a full line of advanced commercial roofing systems for low slope roofing applications and competitive warranties. Contact your regional Malarkey Representative or Malarkey’s Technical Services Department at 800-545-1191 for more details.

**SYSTEM OPTIONS**

Since 1976, Malarkey Roofing Products® has offered a variety of SBS polymer modified and conventional multi-ply roofing systems. The redundant layers of these durable multi-ply systems provide long-term roofing solutions with high-tensile strength, superior granule retention, and reflective granules for UV protection, weatherability, and solar reflectance. Malarkey’s multi-ply bituminous systems offer time-tested protection with over 35 years of proven product engineering experience.

- Conventional Multi-Ply
- Hybrid of BUR and Modified Bitumen
- Fully Modified
- Torch SBS
- Cold and Modified Cold Process
- Self-Adhering

**COLOR OPTIONS**

Malarkey’s Pano®, Paragon®, and OmniSeal™ cap sheets offer a variety of color options to accentuate the roof or coordinate with Malarkey shingle colors.

**SUPPORT YOUR SYSTEMS WITH QUALITY COMPONENTS**

There are a variety of application options available including asphalt, no-smell asphalt, SEBS asphalt, torch-applied sheets, cold process adhesives, and self-adhering options. For links to our affiliates, visit our Systems Components page: www.malarkeyroofing.com/system-components

- BLUE RIDGE FIBERBOARD
- CMI/No Smell™
- Crafco, Inc. Preservation Products
- Georgia-Pacific DensDeck®
- HAL Industries
- Hunter Panels
- Insulfoam
- Karnak
- Millennium Adhesives
- OMG Roofing Products
- Polyset®
- RMax®
- Trumbull® Asphalt
- United Asphalts
- World Oil

**DISTRIBUTED FROM:**
- PORTLAND, OR*
- SOUTH GATE, CA*
- OKLAHOMA CITY, OK*

*VARIES BASED ON LOCATION

**COLOR AVAILABILITY**

<table>
<thead>
<tr>
<th>COLOR AVAILABILITY</th>
<th>PANO® CAP SHEET</th>
<th>PARAGON® MODIFIED CAP SHEETS</th>
<th>OMNISEAL® MODIFIED CAP SHEETS</th>
<th>REFLECTIVE CAP SHEETS</th>
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<tbody>
<tr>
<td>Antique Brown</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dove White</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Midnight Black</td>
<td></td>
<td></td>
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<tr>
<td>Sienna Blend</td>
<td></td>
<td></td>
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<tr>
<td>Solar White</td>
<td></td>
<td></td>
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<tr>
<td>Storm Grey</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Tan/Buff</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weathered Wood</td>
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</table>
VISIT US ONLINE FOR HELPFUL RESOURCES

ARCHITECTURAL RESOURCES
Complete CSI 3-part architectural specifications for Malarkey Shingles, Built-Up Bituminous Roofing, and Modified Bituminous Membrane Roofing, plus related CAD drawing details can easily be downloaded and customized by visiting www.malarkeyroofing.com/professionals/architects-specifiers

SYSTEM SPECIFICATION KEY

PRODUCT INFO AND MORE
Find Technical and Safety Data, Installation Instructions, Spec Sheets, and much more on www.malarkeyroofing.com

This version supersedes all previous versions. Rev. 10/21.