HYBRID MODIFIED BITUMEN ROOF SYSTEMS

Reduce Labor Costs with Self-Adhered Base Sheets for Torch, Hot and Cold-Applied Cap Membranes

POPULAR HOT OR COLD-APPLIED CAP MEMBRANES

**Product**
- Flintlastic GMS
- Flintlastic FR-P
- Flintlastic Premium FR-P

**Material**
- SBS/POLY

**Thickness**
- 3.7 mm (145 mils)
- 4.2 mm (168 mils)
- 4.2 mm (168 mils)
- 93 lbs.
- 100 lbs.
- 100 lbs.

**Why Buy?**
- CertainTeed’s workhorse, mop-applied cap – available in 4 colors plus CoolStar highly-reflective granules
- See GMS (above) plus additional modified asphalt and fire-retardant additives enable incorporation in Class A3 fire rated-systems
- See FR-P (above) with high-performance, extra-tough, stress-resistant polyester mat to allow for “Type 2” ASTM performance classification. Available with CoolStar highly-reflective granules

**Weight/Roll**
- 3

**Pair Black Diamond® Base Sheet or Flintlastic® Ultra Glass SA with the cap membrane that best meets your needs.**

POPULAR TORCH-APPLIED CAP MEMBRANES, 100 SQ. FT. (1 SQ)

**Product**
- Flintlastic® GTA
- Flintlastic GTA-FR
- Flintlastic STA4
- Flintlastic STA
- Flintlastic FR Cap 30 T
- Flintlastic GTS-FR

**Material**
- APP/POLY
- APP/POLY
- APP/POLY
- APP/POLY
- SBS/FG
- SBS/POLY

**Thickness**
- 4.0 mm (160 mils)
- 4.0 mm (160 mils)
- 3.8 mm (150 mils)
- 4.5 mm (177 mils)
- 3.8 mm (150 mils)
- 4.0 mm (160 mils)

**Why Buy?**
- CertainTeed’s workhorse, torch-applied cap – available in 7 colors plus CoolStar® highly-reflective granules
- Same as GTA (above) plus fire-retardant additives enable incorporation in Class A3 fire-rated systems – available in 2 colors plus CoolStar highly-reflective granules
- Smooth surface installs quickly with granule-free selvage edge
- Same as STA (above) plus premium product allows for extended warranties
- Offers the tensile strength (especially in low temperatures), dimensional stability and fire resistance of fiberglass reinforcement with the pliability and stress resilience of SBS-modified asphalt.
- Available with CoolStar highly-reflective granules

**CertainTeed’s most robust (Type II) torch-applied cap sheet with a high-performance, extra-tough, stress-resistant (excellent elongation) polyester mat. Fire retardant additives enables incorporation in Class A2 fire-rated system. Available with CoolStar highly-reflective granules.**
Black Diamond® Base Sheet
Self-adhered, unpenetrated, highly UV-resistant base ply

BLACK DIAMOND BASE SHEET IS DESIGNED FOR SPEED & ENGINEERED FOR DURABILITY.

- Reduce labor by pairing this self-adhered base ply with any torch-applied or hot asphalt-applied interply or cap membrane; cannot be paired with ply or cap applied with cold adhesive
- Fiberglass reinforcement adds strength and dimensional rooftop stability
  - Up to 15-year warranty coverage without insulation
- Flexible - especially in cold temperatures due to SBS-modified asphalt
- Black Diamond slag mineral surface allows for “in the dry” exposure, up to 6 months, without risk of asphalt degradation
- Classified as a vapor retarder
- Reduce installed cost by eliminating the need for cover board - adhere directly to FlintBoard® polyisocyanurate insulation
  - You may also adhere Black Diamond Base Sheet directly to bituminous anchor sheets, DensDeck® Prime, Securock®, coated 6-side high density wood fiberboard, and primed structural concrete

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**ROLL PROPERTIES**

<table>
<thead>
<tr>
<th>Material</th>
<th>Thickness</th>
<th>Weight/Roll</th>
<th>Coverage</th>
<th>ASTM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBS/FG</td>
<td>1.4 mm (55 mils)</td>
<td>78 lbs.</td>
<td>200 sq. ft.</td>
<td>D4601, Type I, D1970</td>
</tr>
</tbody>
</table>

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**RECOMMENDED SYSTEMS**

<table>
<thead>
<tr>
<th>Warranty Duration</th>
<th>Insulation</th>
<th>Base</th>
<th>Interply</th>
<th>Torch¹</th>
<th>Cap²</th>
<th>Hot Asphalt</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 Years</td>
<td>Optional</td>
<td>All Weather/Empire® Base Sheet (MF)</td>
<td>Black Diamond Base Sheet</td>
<td>Flintlastic GTA, GTS-FR, or STA Cap 30 T or STA</td>
<td>-</td>
<td>Flintlastic GMS or FR-P</td>
</tr>
<tr>
<td>15 Years</td>
<td>Optional</td>
<td>Black Diamond Base Sheet</td>
<td>-</td>
<td>Flintlastic GTA, GTS-FR, or STA Cap 30 T or STA</td>
<td>-</td>
<td>Flintlastic GMS or FR-P</td>
</tr>
<tr>
<td>20 Years</td>
<td>Optional</td>
<td>Black Diamond Base Sheet</td>
<td>-</td>
<td>Flintlastic GTA-FR, STA Plus with FlintCoat</td>
<td>-</td>
<td>Flintlastic Premium FR-P CoolStar</td>
</tr>
<tr>
<td>25 Years</td>
<td>Double layer second layer adhered</td>
<td>Black Diamond Base Sheet</td>
<td>Flintlastic STA</td>
<td>Flintlastic GTA-FR, GTS-FR or STA Plus with FlintCoat</td>
<td>-</td>
<td>Flintlastic Premium FR-P</td>
</tr>
</tbody>
</table>

¹For assistance selecting systems with UL, FBC, Miami Dade and/or FM approvals, contact your local Territory Manager or CertainTeed Commercial Roofing Technical Services at 800-396-8134 x2.
²See rear side for cap membrane selection guidance.
**FLINTLASTIC® ULTRA GLASS SA IS CERTAINTEED’S MOST ROBUST & VERSATILE SELF-ADHERED BASE.**

- Reduce labor by pairing this self-adhered base ply with any ply or cap membrane applied by torch, hot asphalt or cold adhesive
- High-performance strength & wind uplift resistance
  - 70% heavier fiberglass reinforcement than Black Diamond Base Sheet
  - Up to 20-year warranty coverage without insulation
- Superior cold-temperature flexibility with twice the SBS-modified asphalt of Black Diamond Base Sheet
- Classified as a vapor retarder
- Reduce installed cost by eliminating the need for cover board - adhere directly to FlintBoard® polyisocyanurate insulation
  - You may also adhere Flintlastic Ultra Glass SA directly to bituminous anchor sheets, DensDeck® Prime, Securock®, coated 6-side high density wood fiberboard, and primed structural concrete.

### ROLL PROPERTIES

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</thead>
<tbody>
<tr>
<td>SBS/FG</td>
<td>3.0 mm (120 mils)</td>
<td>72 lbs.</td>
<td>100 sq. ft.</td>
<td>D6163, Type I, D1970</td>
</tr>
</tbody>
</table>

### RECOMMENDED SYSTEMS1

<table>
<thead>
<tr>
<th>Warranty Duration</th>
<th>Insulation</th>
<th>Base</th>
<th>Interply</th>
<th>Torch1</th>
<th>Cap2</th>
<th>Hot Asphalt</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Years</td>
<td>Optional</td>
<td>All Weather/Empire® Base Sheet (MF)</td>
<td>Flintlastic® Ultra Glass SA</td>
<td>Flintlastic GTA, GTA-FR, FR Cap 30 T or STA with Flintcoat®</td>
<td>Flintlastic GMS or FR-P</td>
<td></td>
</tr>
<tr>
<td>20 Years</td>
<td>Optional</td>
<td>Flintlastic Ultra Glass SA</td>
<td>—</td>
<td>Flintlastic GTA, GTA-FR, FR Cap 30 T or STA with Flintcoat</td>
<td>Flintlastic GMS or FR-P</td>
<td></td>
</tr>
<tr>
<td>25 Years</td>
<td>Double layer second layer adhered</td>
<td>Flintlastic Ultra Glass SA</td>
<td>—</td>
<td>Flintlastic GTA-FR, GTS-FR or STA Plus with FlintCoat</td>
<td>Flintlastic Premium FR-P</td>
<td></td>
</tr>
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1For assistance selecting systems with UL, FBC, Miami Dade and/or FM approvals, contact your local Territory Manager or CertainTeed Commercial Roofing Technical Services at 800-396-8154 x2.

2See rear side for cap membrane selection guidance.
Pair Black Diamond® Base Sheet or Flintlastic® Ultra Glass SA with the cap membrane that best meets your needs

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<tr>
<td>Flintlastic® GTA</td>
<td>APP/POLY</td>
<td>4.0 mm (160 mils)</td>
<td>103 lbs.</td>
<td>CertainTeed’s workhorse, torch-applied cap - available in 7 colors plus CoolStar® highly-reflective granules6</td>
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<tr>
<td>Flintlastic GTA-FR</td>
<td>APP/POLY</td>
<td>4.0 mm (160 mils)</td>
<td>103 lbs.</td>
<td>Same as GTA (above) plus fire-retardant additives enable incorporation in Class A3 fire-rated systems - available in 2 colors plus CoolStar highly-reflective granules6</td>
</tr>
<tr>
<td>Flintlastic STA4</td>
<td>APP/POLY</td>
<td>3.8 mm (150 mils)</td>
<td>86 lbs.</td>
<td>Smooth surface installs quickly with granule-free selvage edge</td>
</tr>
<tr>
<td>Flintlastic STA Plus5</td>
<td>APP/POLY</td>
<td>4.5 mm (177 mils)</td>
<td>98 lbs.</td>
<td>Same as STA (above) plus premium product allows for extended warranties</td>
</tr>
<tr>
<td>Flintlastic FR Cap 30 T</td>
<td>SBS/FG</td>
<td>3.8 mm (150 mils)</td>
<td>96 lbs.</td>
<td>Offers the tensile strength (especially in low temperatures), dimensional stability and fire resistance of fiberglass reinforcement with the pliability and stress resilience of SBS-modified asphalt. Available with CoolStar highly-reflective granules6</td>
</tr>
<tr>
<td>Flintlastic GTS-FR</td>
<td>SBS/POLY</td>
<td>4.0 mm (160 mils)</td>
<td>103 lbs.</td>
<td>CertainTeed’s most robust (Type II) torch-applied cap sheet with a high-performance, extra-tough, stress-resistant (excellent elongation) polyester mat. Fire retardant additives enables incorporation in Class A2 fire-rated system. Available with CoolStar highly-reflective granules6</td>
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<td>Flintlastic FR-P</td>
<td>SBS/POLY</td>
<td>4.2 mm (168 mils)</td>
<td>100 lbs.</td>
<td>See GMS (above) plus additional modified asphalt and fire-retardant additives enable incorporation in Class A1 fire rated-systems</td>
</tr>
<tr>
<td>Flintlastic Premium FR-P</td>
<td>SBS/POLY</td>
<td>4.2 mm (168 mils)</td>
<td>100 lbs.</td>
<td>See FR-P (above) with high-performance, extra-tough, stress-resistant polyester mat to allow for “Type 2” ASTM performance classification. Available with CoolStar highly-reflective granules6</td>
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Black Diamond Base Sheet cannot be paired with cold-applied cap membranes.

6Please visit www.ul.com/database and review CertainTeed’s roof systems listing: TGFUR1656 to review fire ratings associated with desired base/cap combinations.

6Must be coated with FlintCoat® A or W for warranty coverage between 12 and 20 years.

6Must be coated with FlintCoat A or W for warranty coverage between 15 and 25 years.

6Premium pricing applies for CoolStar granular surfaced membranes.