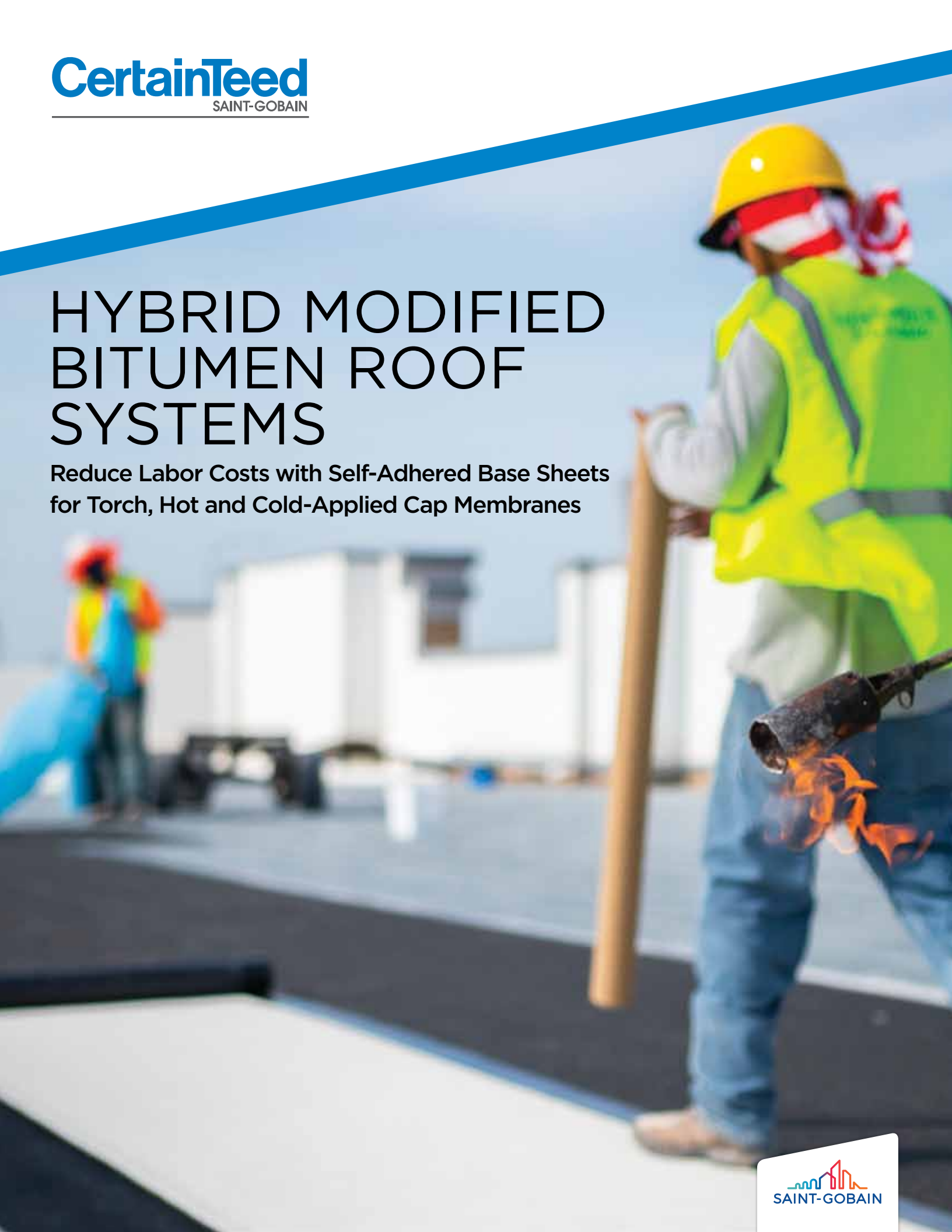


# HYBRID MODIFIED BITUMEN ROOF SYSTEMS

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



# 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



## ROLL PROPERTIES

Material	Thickness	Weight/Roll	Coverage	ASTM
SBS/FG	1.4 mm (55 mils)	78 lbs.	200 sq. ft.	D4601, Type I, D1970

## RECOMMENDED SYSTEMS<sup>1</sup>

Warranty Duration	Insulation	Base	Interply	Cap <sup>2</sup>	
				Torch <sup>1</sup>	Hot Asphalt
15 Years	Optional	All Weather/Empire® Base Sheet (MF)	Black Diamond Base Sheet	Flintlastic® GTA, GTA-FR, or STA with SMARTCOAT™	Flintlastic GMS or FR-P
15 Years	Optional	Black Diamond Base Sheet	—	Flintlastic GTA, GTA-FR, or STA with SMARTCOAT	Flintlastic GMS or FR-P
20 Years	Optional	Black Diamond Base Sheet	—	Flintlastic GTA-FR CoolStar®, GTS-FR CoolStar, or STA Plus with SMARTCOAT	Flintlastic Premium FR-P CoolStar
25 Years	Double layer second layer adhered	Black Diamond Base Sheet	Flintlastic STA	Flintlastic GTA-FR, GTS-FR or STA Plus with SMARTCOAT	Flintlastic Premium FR-P

<sup>1</sup>For 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.

<sup>2</sup>See rear side for cap membrane selection guidance.

# Flintlastic® Ultra Glass SA

Self-adhered, unpenetrated, heavy-duty base ply

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

Material	Thickness	Weight/Roll	Coverage	ASTM
SBS/FG	3.0 mm (120 mils)	72 lbs.	100 sq. ft.	D6163, Type I, D1970

## RECOMMENDED SYSTEMS<sup>1</sup>

Warranty Duration	Insulation	Base	Interply	Cap <sup>2</sup>	
				Torch <sup>1</sup>	Hot Asphalt
20 Years	Optional	All Weather/Empire® Base Sheet (MF)	Flintlastic® Ultra Glass SA	Flintlastic GTA, GTA-FR, or STA with SMARTCOAT	Flintlastic GMS or FR-P
20 Years	Optional	Flintlastic Ultra Glass SA	—	Flintlastic GTA, GTA-FR, or STA with SMARTCOAT	Flintlastic GMS or FR-P
25 Years	Double layer second layer adhered	Flintlastic Ultra Glass SA	—	Flintlastic GTA-FR, GTS-FR or STA Plus with SMARTCOAT	Flintlastic Premium FR-P

<sup>1</sup>For 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.

<sup>2</sup>See 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

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

Product	Material	Thickness	Weight/Roll	Why Buy?
Flintlastic® GTA	APP/POLY	4.0 mm (160 mils)	103 lbs.	CertainTeed's workhorse, torch- applied cap - available in 7 colors plus CoolStar® highly-reflective granules <sup>6</sup>
Flintlastic GTA-FR	APP/POLY	4.0 mm (160 mils)	103 lbs.	Same as GTA (above) plus fire-retardant additives enable incorporation in Class A <sup>3</sup> fire-rated systems - available in 2 colors plus CoolStar highly-reflective granules <sup>6</sup>
Flintlastic STA <sup>4</sup>	APP/POLY	3.8 mm (150 mils)	86 lbs.	Smooth surface installs quickly with granule-free selvage edge
Flintlastic STA Plus <sup>5</sup>	APP/POLY	4.5 mm (177 mils)	98 lbs.	Same as STA (above) plus premium product allows for extended warranties
Flintlastic GTS-FR	SBS/POLY	4.0 mm (160 mils)	103 lbs.	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 A <sup>2</sup> fire-rated systems. Available with CoolStar highly-reflective granules <sup>6</sup>

### POPULAR HOT OR COLD-APPLIED CAP MEMBRANES

Product	Material	Thickness	Weight/Roll	Why Buy?
Flintlastic GMS	SBS/POLY	3.7 mm (145 mils)	93 lbs.	CertainTeed's workhorse, mop-applied cap - available in 4 colors
Flintlastic FR-P	SBS/POLY	4.2 mm (165 mils)	100 lbs.	See GMS (above) plus additional modified asphalt and fire-retardant additives enable incorporation in Class A <sup>3</sup> fire rated-systems
Flintlastic Premium FR-P	SBS/POLY	4.2 mm (165 mils)	100 lbs.	See FR-P (above) with high-performance, extra-tough, stress-resistant polyester mat to allow for "Type II" ASTM performance classification. Available with CoolStar highly-reflective granules <sup>6</sup>

Black Diamond Base Sheet cannot be paired with cold-applied cap membranes.

<sup>3</sup>Please visit [www.ul.com/database](http://www.ul.com/database) and review CertainTeed's roof systems listing: TGFUR11656 to review fire ratings associated with desired base/cap combinations.

<sup>4</sup>Must be coated with SMARTCOAT for warranty coverage between 12 and 20 years.

<sup>5</sup>Must be coated with SMARTCOAT for warranty coverage between 15 and 25 years.

<sup>6</sup>Premium pricing applies for CoolStar granular surfaced membranes.



**CertainTeed**

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