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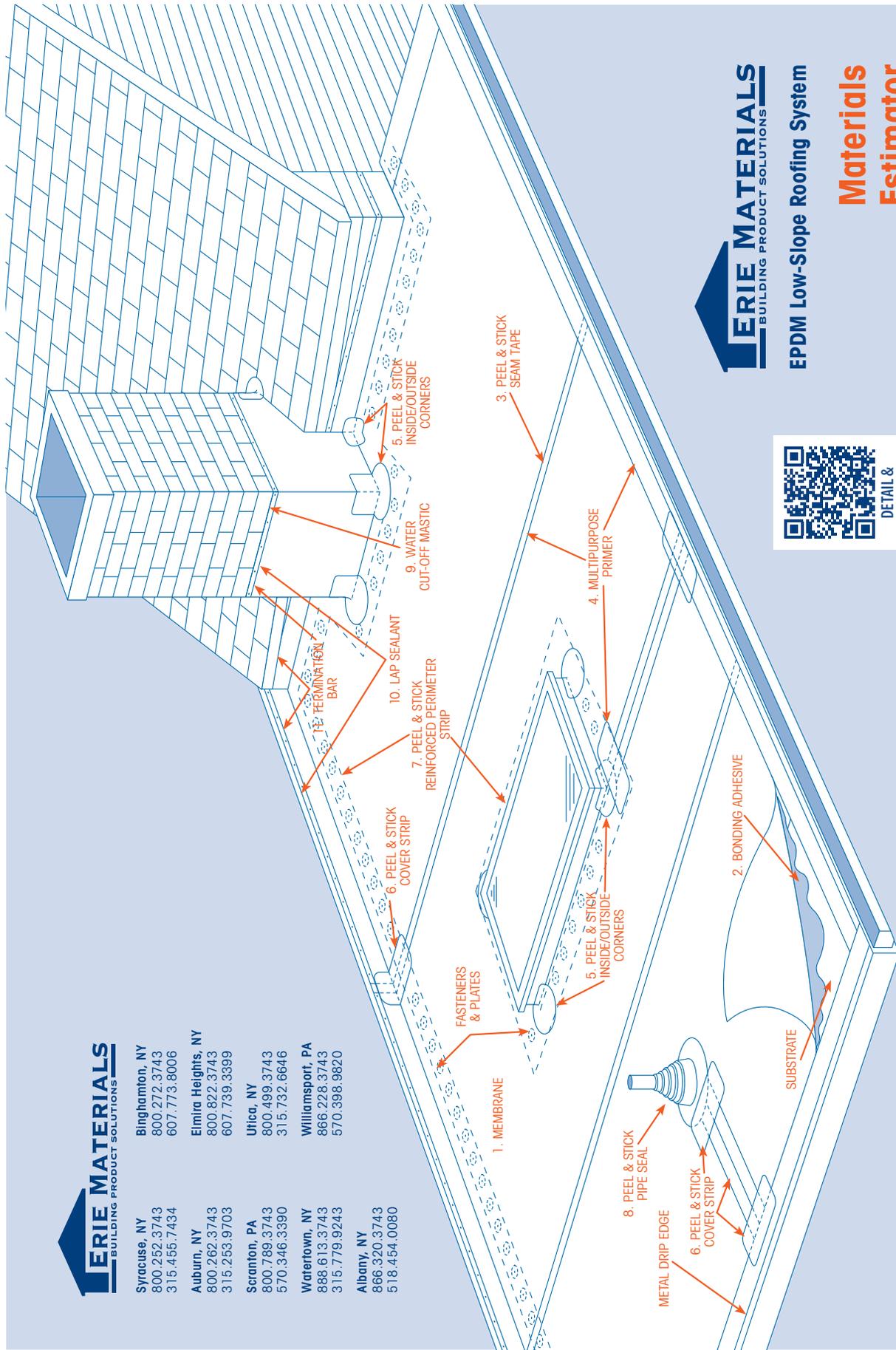
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**EPDM Low-Slope Roofing System**  
**Materials Estimator Guide**



DETAIL & INSTALLATION VIDEOS

## EPDM ESTIMATOR

EPDM roofing membrane can be applied over a variety of substrates including wood, metal, plastic, fiberglass, rubber, masonry, brick, smooth-surface built-up roofs, painted surfaces, wood fiberboard, lightweight concrete

and polyisocyanurate to name a few. The substrate surface should be clean and free of dust, dirt, rust, oil, grease and loose materials.

### ERIE MATERIALS BUILDING PRODUCT SOLUTIONS

EPDM is a professional-quality rubber roofing system for low-slope roofs. This EPDM product is identical to the rubber membrane that has proven effective for commercial and industrial applications for over 40 years.

Erie Materials offers a complete line of membrane and accessories designed with any size job in mind.

- EPDM Rubber Roofing Membrane is a single-ply roofing system.
- EPDM remains flexible in hot and cold temperature extremes.
- EPDM Peel & Stick accessories save time and money.
- EPDM is ideal for first-time single-ply applicators.
- Up to 20-year material warranties are available.
- EPDM is perfect for any job – large or small.



Product	Description and Use	Calculation	Material Needed
1. Membrane	EPDM membrane is used as the waterproofing material which is bonded to the substrate. EPDM membrane is available in different sizes and lengths as well as black and white. Membrane should extend up perimeter walls by 12 in. and hang over the edge of the roof by 3 in. Seams should overlap by 3 in.	Roof length X width + 12 in. for wall terminations + 3 in. overlap for seams + 3 in. overhang off the roof edge.	sq. ft.
2. Bonding Adhesive	EPDM Bonding Adhesive is used to bond the membrane to the substrate. Bonding Adhesive is roller applied to both surfaces and the membrane is rolled into place. Finished coverage rate is 60 sq. ft./gallon.	Roof length X width ÷ 60 = gallons of bonding adhesive needed.	gallons
3. Peel & Stick Seam Tape	Peel & Stick Seam Tape is used to bond the edges of two panels of EPDM membrane together. Seam Tape is available in rolls up to 100 ft. in length.	Panel size and layout will determine seam length.	rolls
4. Multipurpose Primer	Multipurpose primer is used to prepare the EPDM membrane surface anywhere Peel & Stick products are used, including Seam Tape, Cover Strip, Pipe Seals, and Inside/Outside Corners.	Coverage rate is 3 in. x 300 linear ft./gallon.	gallons
5. Peel & Stick Inside/Outside Corners	Peel & Stick Inside/Outside Corners are an easy way to finish corner details. Primer is required wherever the Corners are used. Peel & Stick Uncured Flashing can also be used.	One Peel & Stick Inside/Outside Corner per corner.	corners
6. Peel & Stick Cover Strip	Peel & Stick Cover Strip is used to strip in metal drip edges, as well as cover cuts in the EPDM membrane. T-Joint Covers, which are to be used at all locations where three layers of membrane overlap, can also be made from Cover Strip. Cover Strip is available in rolls up to 100 ft. in length.	Metal drip edge length + distance from penetrations to the nearest edge of the membrane + T-Joint Covers ÷ 100 = number of rolls needed.	rolls
7. Peel & Stick Reinforced Perimeter Strip (RPS)	Peel & Stick Reinforced Perimeter Strip is required for additional securing at any vertical angle change such as curbs, skylights, wall, etc. Available in 100' rolls	Length of parapet wall + length of skylight perimeters + length of any other locations of angle change ÷ 100	rolls
8. Peel & Stick Pipe Seal	Pre-molded Peel & Stick Pipe Seals create a watertight seal around cylindrical penetrations from 1 in. to 6 in. in diameter.	One Pipe Seal for every 1 in. to 6 in. pipe.	pipe seals
9. Water Cut-Off Mastic	A gasket-forming liquid compression sealant used behind termination bars and pipe seals.	10 linear ft./tube	tubes
10. Lap Sealant	Used to seal exposed membrane edges including Cover Strip edges, tops of termination bars and pipe seal edges.	22 linear ft./tube	tubes
11. Termination Bar	Used to terminate membrane on a vertical surface including on a parapet wall or over the roof edge. Available in 10 ft. lengths.	Length of perimeter + length of other vertical terminations.	ft.

This Material Estimator is designed to facilitate the development of a materials list. Due to the unique nature of each individual project we make no representations that the list provided will be absolute.

VERSICO PRODUCTS			
DESCRIPTION	SIZE		CODE
LOW-VOC BONDING ADHESIVE	5-GAL.		VEBOADLV
LOW-VOC TAPE PRIMER	1-GAL.		VETAPRLV
G-300 LAP SEALANT	TUBE		VELASETU
PENETRATION POCKET	4"		VEPE04
PENETRATION POCKET	6"		VEPE06
PENETRATION POCKET	8"		VEPE08
BLACK MOLDED PIPE SEAL	1"-6"		VEPISE16
G-400 POURABLE SEALER	1-GAL.		VEPOSE
QA CORNER BLACK EPDM	7' x 9'		VEQACO
QA COVER STRIP	6" x 100'		VEC06
QA REIN TERM. STRIP	6" x 100'		VEQARTS6
QA REIN TERM. STRIP	9" x 100'		VEQARTS9
QA WALKWAY PADS	30" x 30"		VEQAWAPA
QA SEAM TAPE	3" x 100'		VESETA3
QA SEAM TAPE	6" x 100'		VESETA6
TERMINATION BAR	10'		VETEBA
T-JOINT BLOW-OUT PATCH	6"		VETJBOP

VERSICO PRODUCTS			
DESCRIPTION	SIZE		CODE
G-500 WATER CUT-OFF	TUBE		VEWACU
MEMBRANE CLEANER	5-GAL.		VEWEMECL
MEMBRANE CLEANER	1-GAL.		VEWEMECL1

VERSIGARD PRODUCTS			
DESCRIPTION	SIZE		CODE
0.045 NON-REIN EPDM	10' x 100'		VE4510
0.045 NON-REIN EPDM	10' x 50'		VE451050
0.045 NON-REIN EPDM	20' x 100'		VE4520
0.045 NON-REIN EPDM	20' x 50'		VE452050
0.045 REINFORC EPDM	10' x 100'		VE45R10
0.060 NON-REIN EPDM	10' x 100'		VE6010
0.060 NON-REIN EPDM	10' x 50'		VE5601050
0.060 NON-REIN EPDM	20' x 100'		VE6020
0.060 REINFORC EPDM	10' x 100'		VE60R10



## Reinforcement Membranes

### Asphalt Cotton Fabric

- 4" x 150' 4COFA
- 6" x 150' 6COFA
- 12" x 150' 12COFA
- 36" x 150' 36COFA

### Brushes

- Roof Brush
- 48" Tapered Handle
- 48" Threaded Handle

### Modified Roofing Accessories

- Modi-Drain
- 3"
- 4"
- Modi-Pipe Collar
- 1½-3"
- 3-4"

### Glass & Poly Fabric

- 6" x 150' Glass Membrane 6FIFA
- 12" x 150' Glass Membrane 12FIFA
- 36" x 150' Glass Membrane 36FIFA

**SPECIAL ORDER**

# Repair EPDM Roofs

Quickly, easily & affordably with Millennium cover strips & flashing tapes

**Millennium EPDM Cover Strips** are designed to cover, protect, and seal mechanical fastening bars, membrane fasteners, core sample repair patches, membrane repairs, and seam overlays in all EPDM roofing systems. The strips are composed of a semi-cured EPDM membrane laminated to a 25-mil EPDM-based pressure-sensitive tape adhesive.

**Millennium EPDM Flashing Tapes** are extremely flexible and can be formed to fit irregular shapes and surfaces.

- SELF-ADHERED CURED COVER STRIP 5" x 100' MIC05
- SELF-ADHERED UNCURED FLASHING 6" x 100' MISAFL6
- 9" x 50' MISAFL9
- 12" x 50' MISAFL12

*Requires tape primer.*

FEATURES	BENEFITS
Resistant to UV light, high heat, and moisture	Long-term durability
Excellent adhesion to multiple substrates	Suitable for a wide variety of sealing applications
No torch or liquid adhesives	Improved safety
Fast installation	Saves time and labor
Waterproof detail	Suitable for roofing, pond lining, and waterproofing applications

## #19 Flashing Cement

General purpose for repairing leaks in shingles, concrete, metal or asphalt roofs, flashing on walls, chimneys, flues, downspouts and cornices.

1 gal. 119  
5 gal. 519



## #19 Ultra Flashing Cement

Rubber reinforced, wet/dry trowel-grade application.

3 gal. 319UL  
10.1 oz. tube UL19100Z



## #27 Fibered Aluminum Roof Coating

For existing metal roofs, modified bitumen and BUR. Used on granular surfaces and helps fill in hairline cracks.

Coverage: Approx. 1-2 gal./100 s.f.  
5 gal. 527ASFR



## #28 Non-Fibered Aluminum Roof Coating

For existing metal roofs, modified bitumen and BUR. Use on smooth roof surfaces in good condition.

Coverage: Approx. 1/2-1 gal./100 s.f.  
5 gal. 528



## #71 Fibered Roof Coating

All-purpose black fibrated roof coating for maintenance of existing built-up roofs.

Use on alligatored or rough roof surfaces  
Coverage: Approx. 4-6 gal./100 s.f. (brush)  
5 gal. 571



## #78 Cold-Process Cement

Used as a blind nail or lap cement with prepared rolled roofing.

Also used with #3036 Poly-Mat.  
Coverage: Approx. 2 gal./100 s.f. (brush)  
5 gal. 578



## #81 Modified Bitumen Adhesive

*Use with CertainTeed Flintlastic and Owens Corning DeckSeal*

Specifically designed as an adhesive for SBS-modified bitumen single-ply membranes such as CertainTeed Flintlastic and Tamko Awaplan 170.

Coverage: Approx. 1-2 gal./100 s.f.  
Brush- or trowel-grade available  
5 gal. 581BR/581TR



## #108 Asphalt Primer

*Use with CertainTeed Flintlastic and Owens Corning DeckSeal*

A non-fibered damp-proofing primer. Dries to a flexible black finish. Also used to prime metal surfaces for modified bitumen applications.  
14-oz. spray 108SP



## #155 Amphibikote

Cold-process emergency roof cement that can be applied in wet or dry conditions. Excellent for emergency roof repair.

5 gal. 5155



## #220 Fibered Emulsion Roof Coating

For resurfacing smooth or slightly alligatored roofs. Can also be used as masonry damp-proofing.

Coverage: Approx. 4-6 gal./100 s.f.  
5 gal. 5220



GET THE KARNAK  
MOBILE APP

## Roof Restoration Products



**Gaco Patch** Silicone Roof Patch

**WHEN A PATCH NEEDS TO BE PERMANENT**

**2 gal.**

**IN STOCK**

2-gal. pail = 8 gal. roofing cement = 50 sq. ft. per gal. at 1/8" thick

**When a Patch Needs to Be Permanent**

- Fiber-reinforced silicone roof patch
- Waterproof
- Can be applied to damp surfaces
- Flashing grade
- One-step application — no primer or seam tape required
- UV stable
- Limited material warranty
- Black, white or gray

**Use it on:**

- Cracks
- Expansion Joints
- Flashings
- Gutters
- Seams
- Pipes
- Pitch Pans
- Penetrations
- Small Holes
- Transitions
- Vents
- Voids

Call for pricing.

### S42 Series

**One coat application. No primer needed!\***



The high-adhesion alternative to replacing weathered roofs.

GacoFlex S42 Series is a 100% silicone roof coating solution that can be installed over virtually any existing roof substrate\*, creating a durable, seamless membrane that helps protect the roof from permanent ponding water, ultraviolet light and severe weather.

GacoFlex S42 Series covers more surface area with less material than many other competitive silicones and exhibits outstanding peak hide coverage on granulated surfaces. With its strong adhesion to multiple types of surfaces, it eliminates the need for an epoxy primer in many cases, allowing faster installation.

It has a limited material warranty and qualifies for a GacoFlex System Warranty when installed by a Gaco Qualified Applicator.

\* Always perform an adhesion test to ensure compatibility.

#### 5 gal.

Covers 400 sq. ft. at 18 dry mils.  
Tan, white or gray



GACO UNIVERSITY

GacoRoof 100% Silicone Roof Coating protective coating is designed to seal and repair existing flat roofs and permanently protect against leaks, permanent ponding water, and the damaging effects of severe weather. It is the only coating on the market that stands up to ponding water without bubbling, peeling or breaking down. It stays flexible and maintains adhesion, even under permanent ponding water or snow pack. And it does not require a recoat.



#### Silicone Roof Coating

1 gal. covers 50 sq. ft.

Gray GAROGR1  
White GAROWH1

5 gal. covers 250 sq. ft.

Gray GAROGR5  
White GAROGWH5

100% SILICONE. Outperforms and outlasts other coatings.  
NO PRIMER REQUIRED.

REMAINS PERMANENTLY FLEXIBLE. Other coatings become brittle and degrade.  
WITHSTANDS PERMANENT PONDING WATER.

NON-SACRIFICIAL. Unaffected by harsh UV rays and temperature extremes.

PREVENTS COSTLY TEAR OFFS.

LIMITED MATERIAL WARRANTY.



#### Wash Concentrated Cleaner

A concentrated cleaning solution for roof membranes and existing waterproof systems, it is specially formulated to remove tough dirt, pollen, mildew and fungus. It is the first step in every GacoFlex Silicone Roof Coating System.

Coverage: 4000 sq. ft.  
1 gal. GAROWASH

#### LiquidRoof Tape

A thick, high-build, rubber-like liquid consisting of 100% silicone and microfibers. LiquidRoofTape will fill cracks, voids and depressions; reinforce joints, seams, penetrations and transitions; and completely encapsulate fasteners and protrusions.

Coverage: 50 l.f. at 3" wide x 1/8" thick, 25-50 sq. ft. as a top coat  
1 gal. GALTAPE1



#### 2-Part Epoxy Primer/Filler E5320

A 100% solids two-component penetrating epoxy sealer that offers excellent penetration into concrete and masonry surfaces to form a tight bond to the substrate. Contains very low VOCs.

Coverage: 150-190 sq. ft., depending on application method  
2 gal. GAROEPPR

# GAF Roof Coating Systems

LOW-SLOPE ROOFING



## GAF High Solids Silicone

A high solids, moisture-cure silicone coating that provides protection against weather elements, UV rays, and leaks due to ponding water for a variety of substrates.

- Can be applied in a single coat\*
- Protection against ponding water
- Up to 20 year warranties available
- 97% average solids by volume
- Available in white, gray, and tan

Coverage rate: 50 sq. ft per gallon    5 gal. GARCUHWHIT

## GAF Repair Pro

A solvent-based, synthetic, self-leveling elastomeric product. Repair Pro can be applied to most damp substrates to stop leaks immediately.

- No primer required on most substrates\*
- No mixing required
- Seals metal roof fasteners
- 10 oz cartridges or 1 gallon can
- Black or White

Coverage Rates:

Fastener Coverage: 350 - 400 fasteners/gallon  
 Split Seam Repair : 13 sq. ft per gallon  
 1 gal. GARCPS(BLAC/WHIT)    10 oz. tube GARCPSTWHIT



## GAF Silicone Mastic

A high-build silicone flashing that provides protection against ponding water. Silicone Mastic can be used in conjunction with GAF Unisil HS or as a standalone repair and maintenance item.

- High Solids Formulation
- UV Stable - no topcoat required
- Versatile application ideal for maintenance repairs
- White (in stock), Gray or Black

3.5 gal. GARCSMWHIT



## GAF Cleaning Concentrate Cleaner

Excellent cleaning capabilities with most types of coatings including acrylic, polyurethane silicone and Hypalon®. 100% biodegradable.

1 gal. Coverage: 1500 to 2000 sq. ft. GARCCC1  
 5 gal. Coverage: 7500 to 10,000 sq. ft. GARCCC5



## GAF EPDM Activator Cleaner

Water-based rinsable primer used directly on EPDM applications.

5 gal. Coverage: 2500 sq. ft. GARCEAC



## GAF Premium Fabric

A tough, non-woven, stitchbonded, heat-set polyester designed for roofing and flashing applications of all types.

12" x 300' GARCPF12300    6" x 300' GARCPF6300



Stocked in Scranton and Williamsport  
 and ready for  
 quick shipment to your branch!

Always check for current inventory status.



CERTAINTEED, OWENS CORNING, GAF: MODIFIED SYSTEMS  
**Modified Bitumen Systems**

LOW-SLOPE ROOFING

### CertainTeed Flintlastic Self-Adhering System

#### Flintlastic® SA Cap Sheet

Self-adhering membrane  
AVAILABLE IN MOST LANDMARK SHINGLE COLORS  
1 sq./roll

IN STOCK

#### Flintlastic SA PlyBase

2 sq./roll

See Primer and Adhesive on page 172

#### Flintlastic Ultra Glass SA

1 sq./roll

#### Flintlastic SA Mid-Ply Sheet

1 sq./roll

#### Arctic Edge Flintlastic SA Cold Lap Tape

Significantly boosts Flintlastic SA adhesion down to 35° F  
4" x 260'/roll

Colors:

Burnt Sienna, Colonial Slate, Heather Blend, Moire Black, Resawn Shake, Weathered Wood and White

#### Flintlastic Nailable Base Sheet

2 sq./roll

### CertainTeed Flintlastic Torch-Applied Modified Bitumen

#### Flintlastic® GTA™ APP Modified Bitumen for Torch Application

- Intended for torch application only and should not be exposed to adhesives or solvent-based materials.
- Use as a cap sheet.
- Available in multiple colors, including CoolStar™ (energy-saving, solar-reflective surfacing).
- Fire-retardant version (GTA-FR) available for enhanced fire resistance.

4.2 mm 1 sq./roll CTFLGTA

Not stocked in all locations



#### Flintlastic® STA™ APP Modified Bitumen for Torch Application

IN STOCK

Designed for use as a roofing membrane over various types of substrates for both new construction and reroofing installations. It is suitable for most low-sloped roof decks and may be used for roof system flashings including wall treatments, based flashings and field flashings.

4.0 mm 1 sq./roll CTFLSTA

### GAF Liberty™ SBS Self-Adhering System

#### Liberty SA Cap Sheet

Slate, Black, Weathered Wood 1 sq./roll

#### Liberty SA Base/Ply Sheet

39" x 66' 216 s.f./roll

NEW!

NEW

### GAF Ruberoid® APP Torch Granule

1 sq./roll White, Black, Smooth GARUTO(WH/BL/SM)



# Metal Roofing Take-Off Sheet



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HERE

Roof Panel	
Type	
Gauge	

	COLOR	QTY	SIZE	QTY	SIZE
Painted					
Galvanized					
Galvalume					

Screws (100 / Sq.)	COLOR	QTY	SIZE

Edging	COLOR	QTY	SIZE
Drip			
Rake			

Flashing	COLOR	QTY	SIZE
Valley (Roll)			
Valley (Sheet)			
Valley (W)			
Wall			
Fitted Wall			
Pipe Flashing			

Hip & Ridge	COLOR	QTY	SIZE
Ridge Roll			
Ridge Vent			
End Caps			
Cottage Roof Cap			
Fitted Ridge Cap - 2 PL			
Fitted Hip Cap - 2 PL			

Closure Strips	QTY
Inside	
Outside	
Emseal Tape (19')	

Miscellaneous	COLOR	QTY	SIZE
Butyl Tape			
Snow Guards			
Surebond Adhesive			
Touch Up Paint			
HT Ice & Water			
Cap Nails			
Geocel			
Furring Strips			
Other			

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