

FlexTM

Thermoplastic Single Ply and Multi-Ply Roofing Systems



Specializing in Roof Solutions since 1988

FlexRoofingSystems.com

Thermoplastic Single Ply Cool Roof Systems



Flex Elvaloy® KEE cool roof membranes can be used to recover existing asphalt roof systems.

MEETS ASTM D4434

SUPERIOR PERFORMER

Flex Elvaloy® KEE

One of the world's premier single ply membranes, containing DuPont Elvaloy® KEE, the ingredient that adds toughness, workability, chemical resistance and exceptionally long service life. Flex Elvaloy® fleece-backed membrane works with Flex water based cold emulsion adhesive, Flex FB Low Rise Adhesive or with hot steep asphalt.

- Available in 10' wide rolls for faster installation, fewer seams
- Can cover smooth BUR to reduce tear-off labor and disposal costs
- Membrane stays flexible and workable indefinitely
- Highly resistant to chemicals, coolants, grease, industrial pollutants
- Installs fully adhered, mechanically attached, or with Flex RhinoBond®, and is ideal in a protective membrane roof (PMR) application
- Available in 45, 50, 60, 80, 120 mil



Flex PVC cool roof systems are popular with schools, colleges and universities.

MEETS ASTM D4434

EXCELLENT VALUE

Flex PVC Reinforced

Flex PVC Reinforced is a tough, durable and easy to apply PVC cool roof system for a wide range of applications. The Flex technical department services every installation to help ensure a quality job.

- Reflects solar heat for a cooler roof and lower air conditioning costs
- Available in 10' wide rolls for faster installation, fewer seams
- Proven time tested waterproofing performance with a long track record for weatherability
- Installs fully adhered, mechanically attached, or with Flex RhinoBond® System
- Excellent waterproofing solution
- Available in 50, 60, 72, 80, 96 mil



MEETS ASTM D6878

Flex TPO Plus membranes provide economical solutions to solve building owner's problems and budgets.

ECONOMICAL VALUE

Flex TPO Plus™

Flex TPO Plus™ provides a value priced option for white, highly reflective cool roof solutions. Easy installation, great performance, long service life.

- Available in 10' wide rolls for faster installation, fewer seams
- Installs fully adhered, mechanically attached, or with Flex RhinoBond® System
- Outstanding cool roof solutions
- Highly resistant to chemicals, coolants, grease, industrial pollutants
- White and tan Flex TPO Plus membranes qualify for LEED™ credits
- Solar reflectance value: 109
- Exceeds California Title 24 requirements
- Available in 45, 50, 60, 72, 80 mil



Flex ISO insulation board was developed with a high strength polyiso construction, making it light weight and providing a high performance R-value based on Long Term Thermal Resistance (LTTR)

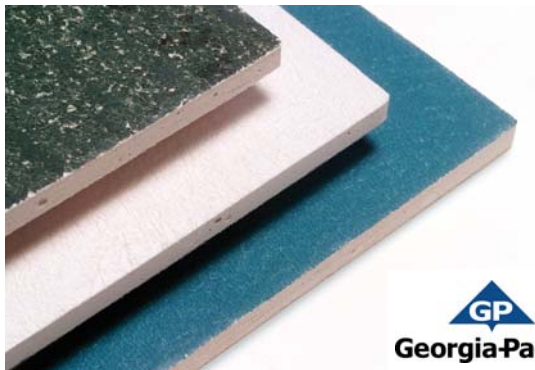


POLYISO Insulation Products

Flex provides a wide range of "green" ISO insulation board for all applications.

- Flex AC-II- Non-asphaltic glass fiber reinforced organic facers. Contains between 67.5% and 28.9% recycled content by weight. ASTM C1289 Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)
- Flex AC-III- Inorganic coated glass facers. Contains between 6.2% and 10.9% recycled content by weight. ASTM C1289, Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)
- Flex AC-IV- Heavy weight high performance inorganic coated glass facers. Contains between 4.2% and 9.0% recycled materials by weight. ASTM C1289, Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)
- Flex 1/2" High Strength Cover Board- High performance Flex AC-IV inorganic coated glass facers. Contains 2.5% recycled materials by weight. ASTM C1289, Type II, Class 4, Grade 1
- Available in 4'x4' and 4'x8' sheets, ranging from 1/2" to 4" thick
- Highly versatile; ideal for all single ply and multi-ply roofing applications
- Full Tapered Polyiso Design service available
- 4'x4' tapered panels are available in various slope ranging from 1/8"/ft to 1/2"/ft
- Can qualify for multiple LEED credits

DensDeck®



DensDeck® roof boards are the industry gold standard for use as the substrate supporting single ply roofing membranes, adding moisture resistance, fire resistance, strength and dimensional stability.

- Fire, rot and hail-resistant
- Stiffens and stabilizes the roof deck
- Improves wind uplift resistance
- Assures long term fire performance of assemblies
- Holds up to normal foot traffic
- Ideal for use with cool roof, solar and green roof applications

Securock® Gypsum-Fiber Roof Board

High-performance gypsum-fiber roof board for use in low-slope commercial roofing systems.



- Exceptional bond and low absorption in adhered systems
- Moisture and mold resistant
- Excellent wind-uplift performance
- Manufactured from 95% recycled material
- Provides excellent fire performance and demonstrates exceptional surface burning characteristics (ASTM E84 (CAN/ULC-S102) Flame Spread 5, Smoke Developed 0)
- Can be used as a component in single-ply, fluid-applied, built-up, spray foam, metal and modified bitumen roofing



Flex RhinoBond[®] System

Technical breakthrough for attaching Thermoplastic Single Ply Membranes

The Flex RhinoBond[®] Tool creates heat by induction, heating the specially coated Flex RhinoBond[®] Plate that attaches the insulation to the roof deck. The heat welds the thermoplastic membrane securely to the Flex RhinoBond[®] Plate.

KEY ADVANTAGES

- Fewer seams, no half sheets
- High production installation
- Even load distribution
- FM 1-150 wind uplift approval
- Fewer fasteners, faster dry-in
- Fasteners do not penetrate the membrane
- Increased production can result in lower installed cost
- Works with ISO, DensDeck[®] and Securock[®]
- Operates on 110 volts
- Meets FM 4470



FM approved up to 150 psf

The Flex RhinoBond[®] System attaches membranes at close intervals for a secure installation. This photo shows a thermoplastic membrane undergoing the FM wind uplift test after being secured with the Flex RhinoBond[®] System.

RhinoBond[®] is a registered trademark of OMG, Inc. and is patent protected.



Flex Roof Edge Systems

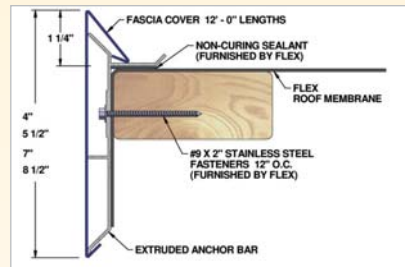
Flex Roofing Systems' full system warranties include the Flex roof edge system and ensure complete wind protection from edge to edge. When it comes to protecting your building's roof from wind damage, nothing is more important than the strength of its edge. That's why all of our systems have been tested and proven to provide maximum protection.

- Fast lead times
- Quick, easy installation
- Full system warranty
- Kynar 500 Finish
- Standard Colors
- Custom Colors Available

Flexlock FLE

Flexlock FLE Roof Edge

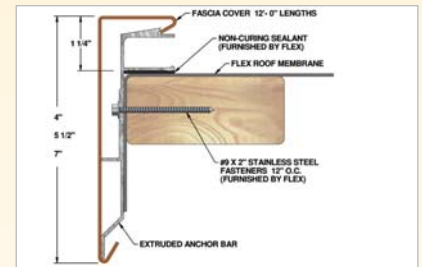
24 ga. & .040" fascia cover



Fully Adhered or Mechanically Attached Single-Ply Version

Flexlock FLE-HG Roof Edge

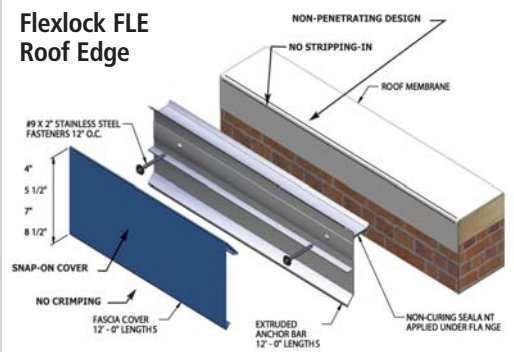
.050" & .063" fascia cover



Fully Adhered or Mechanically Attached Single-Ply Version

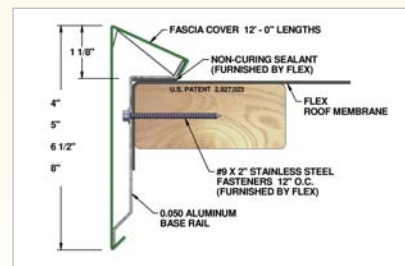
Additional Fascia & Coping Solutions

Flexlock FLE Roof Edge



Flexlock FLT Roof Edge

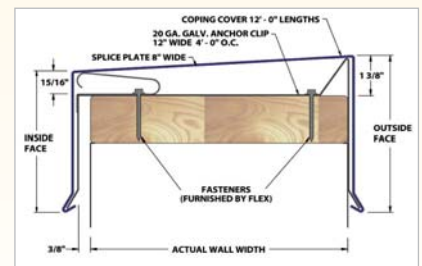
24 ga. & .040" fascia cover



Fully Adhered or Mechanically Attached Single-Ply Version

Flexcap FLC Coping

24 ga., .040", .050" & .063" coping cover



Tapered Version
Flat or Existing Slope Version Available

Flex Thermoplastic Roofing Systems

About Flex

- 24-Year history providing high performance roofing solutions
- Over 200 million square feet installed
- Complete roof systems
- Edge-to-edge long-term warranties

Three Cool Roof Solutions

- Elvaloy® Thermoplastic: Superior long-lasting performance
- PVC: Outstanding value
- TPO: Economical



Applications

- Commercial, industrial, residential
- New and re-roof installations
- Fleece-backed Elvaloy® membrane
- Adhered:
 - Hot-mopped
 - Cold-applied
- Mechanically fastened
- RhinoBond®
- Energy Star certified; CRRC approved
- LEED credits available
- Outstanding sales and technical support
- Contractor Training for Applicator Approval Certification
- Roof inspections and analysis

Range of Roofing Systems

- Green Roof Solutions
- Solar Photovoltaic Systems
- Flex RhinoBond®, Non-Penetrating Roof Attachment
- FlexDeck Material, for Residential and Commercial Decks
- ISO Insulation Board and Tapered Systems
- GP DensDeck Roof Boards
- USG Securock Roof Boards
- Waterproofing Products and Systems
- Complete Line of Accessories



Flex™

Thermoplastic Single Ply and Multi-Ply
Roofing and Waterproofing Systems



Visit our new website FlexRoofingSystems.com

Our high-traffic site contains an entire open library of the practical data that architects, contractors and specifiers need for the proper selection, installation and supporting requirements needed for a successful single ply and multi ply roof assemblies, along with cool roof, green roof and high efficiency solar roof installation.

COMMERCIAL



RESIDENTIAL



SOLAR



GREEN ROOF



Flex provides advanced roofing solutions for a wide range of applications, including cool roof, green roof and solar PV systems. Our technical expertise is second to none, and we support contractors and installers with technical assistance for all systems we provide.



Flex Warranties

Flex Single Ply Systems carry standard ten, fifteen, twenty, twenty-five and thirty year warranties, depending upon the product used, the method of application, the type of application and the climatic environment.



Thermoplastic Single Ply and Multi-Ply Roofing
and Waterproofing Systems

1-800-969-0108
FlexRoofingSystems.com



ARCAT is the leading online resource of FREE building product information.

