

FlexTM

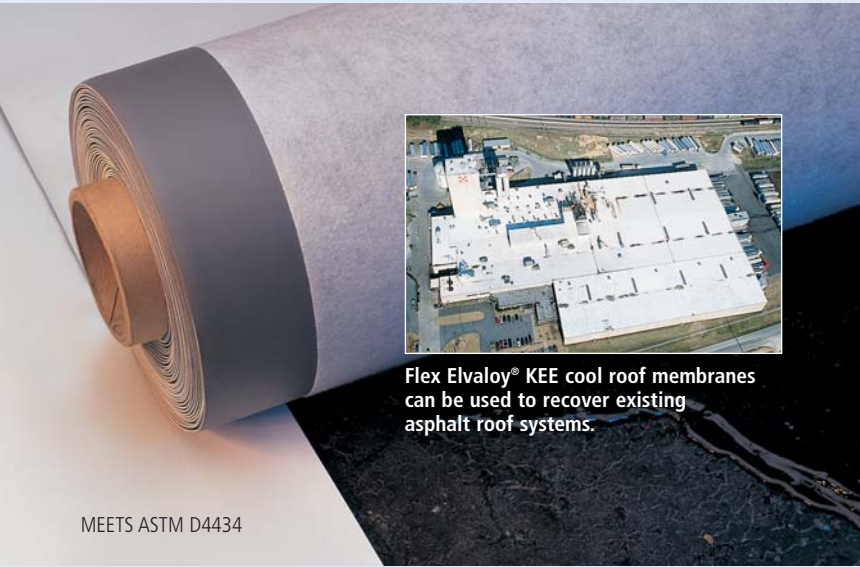
Thermoplastic Single Ply and Multi-Ply Roofing Systems



Specializing in Roof Solutions for over 25 years

FlexRoofingSystems.com

Thermoplastic Single Ply Cool Roof Systems



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

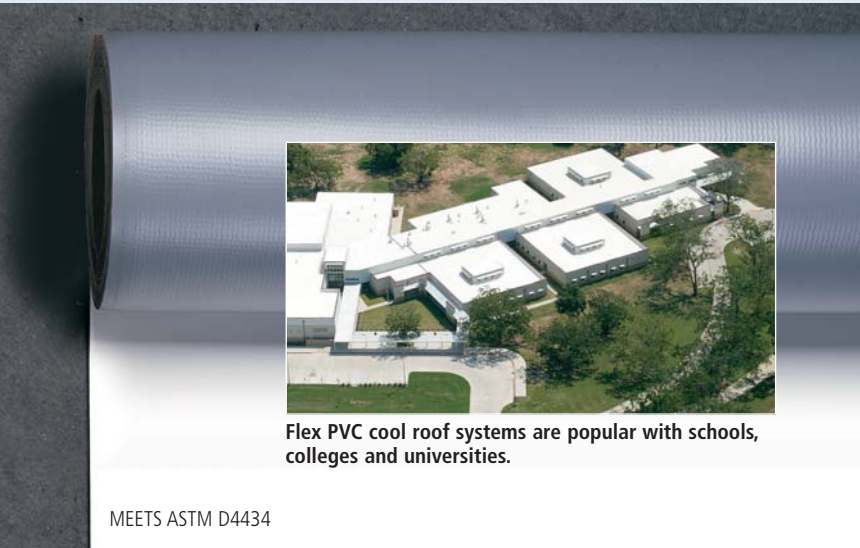
MEETS ASTM D4434

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

ECONOMICAL VALUE

Flex TPO

Flex TPO 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 membranes qualify for LEED™ credits
- Solar reflectance value: 109
- Exceeds California Title 24 requirements
- Available in 45, 50, 60, 72, 80 mil



Flex

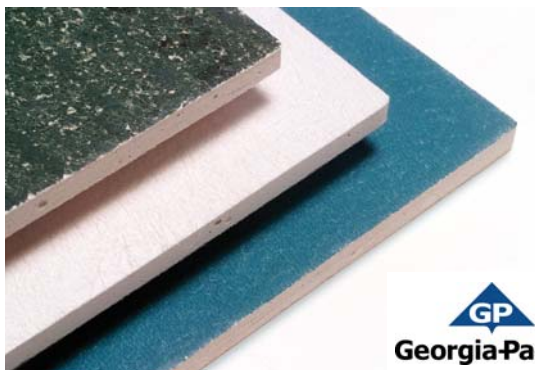
POLYISO Insulation Products

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 52.9% and 27.6% 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 11.2% and 6.2% recycled content by weight. ASTM C1289, Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)
- Flex AC Foam III HD Cover Board - High Performance ACFoam-III coated glass facers. ASTM C1289, Type II, Class 4, Grade 1 (80 psi). Available in 1/2" thick 4'x8' and 4'x4'.
- 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

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)

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



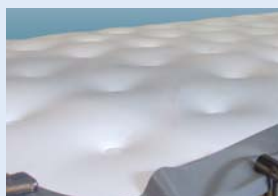
FlexTM RhinoBond[®] System

Advanced Attachment of Flex PVC & TPO Roofing Systems

The Flex RhinoBond[®] is an advanced insulation and membrane attachment system for Flex PVC and TPO membranes. This all-in-one system uses the same Flex fastener and Flex RhinoBond Plate to secure the membrane and the insulation to the deck without penetrating the roofing material.

KEY ADVANTAGES

- Fewer seams, no half sheets
- Reduced flutter
- Even load distribution
- FM 1-150 wind uplift approval
- Fewer fasteners, faster dry-in
- Zero Penetrations
- Streamlined installation
- Increased production results in lower installed cost
- Works with ISO, DensDeck[®] and Securock[®]
- Operates on 110 volts
- Meets FM 4470
- Enhanced system performance



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.



Just activate the Flex RhinoBond tool directly over a specially coated Flex RhinoBond plate (left) to bond the membrane to the plate.

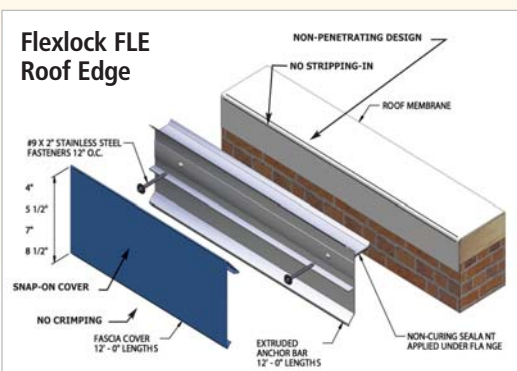


A weighted Flex Magnet placed on the welded plate (left) helps to promote a strong bond.

FlexTM 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.

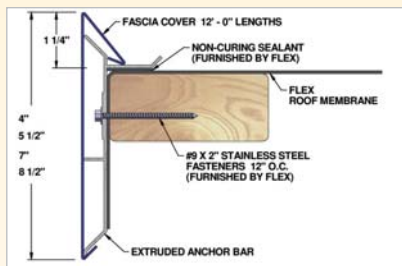
- Fast lead times
- Quick, easy installation
- Full system warranty
- Kynar 500 Finish
- Standard Colors
- Custom Colors Available



Flexlock FLE

Flexlock FLE Roof Edge

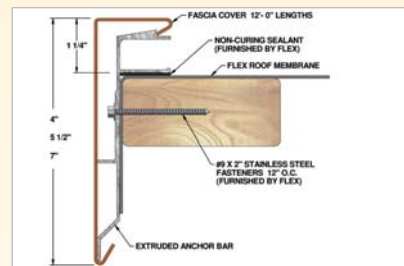
24 ga. & .040" fascia cover



Fully Adhered or Mechanically Attached Single-Ply Version

Flexlock FLE-HG Roof Edge

.050" & .063" fascia cover

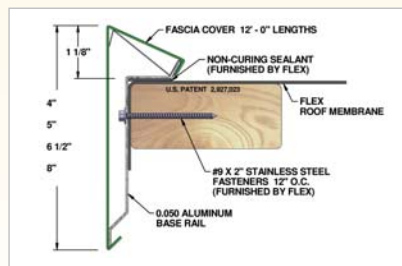


Fully Adhered or Mechanically Attached Single-Ply Version

Additional Fascia & Coping Solutions

Flexlock FLT Roof Edge

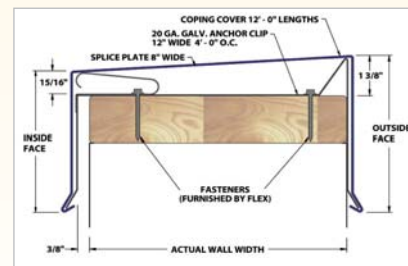
24 ga. & .040" fascia cover



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

- 26-Year history providing high performance roofing solutions
- Over 220 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 membranes
- Adhered:
 - Hot-mopped
 - Cold-applied
- Mechanically fastened
- RhinoBond® and Isoweld®
- 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

- Flex RhinoBond® and Isoweld® Non-Penetrating Roof Attachment
- Flex PVC Roof Rib Profile
- 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
- Green Roof Solutions
- Solar Photovoltaic Systems



Flex™

Thermoplastic Single Ply and Multi-Ply
Roofing and Waterproofing Systems



Visit our 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.

INDUSTRIAL



COMMERCIAL



INSTITUTIONAL



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 designers 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.

