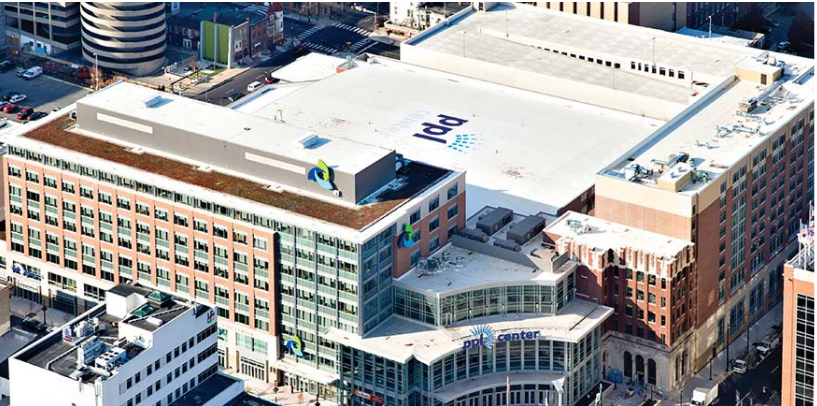




# Thermoplastic Single Ply & Multi-Ply Roofing Systems



COMMERCIAL



INDUSTRIAL



INSTITUTIONAL



RESIDENTIAL

**Specializing in Roof Solutions for over 25 years**

[FlexRoofingSystems.com](http://FlexRoofingSystems.com)

# Thermoplastic Single Ply Roof Systems



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

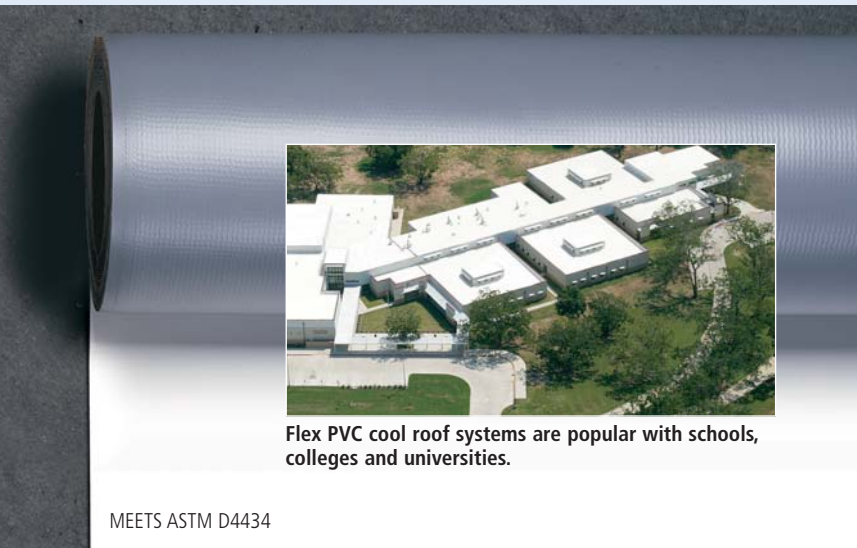
MEETS ASTM D4434

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
- Available in smooth back and fleece back options
- 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 thermoplastic roof system for a wide range of applications.

- Reflects solar heat for a cooler roof and lower air conditioning costs
- Environmental product declaration for PVC membrane
- Built-in chemical, UV and fire resistance
- Over 45 years of proven performance
- Flex PVC architectural roof rib
- Installs fully adhered, mechanically attached, or with Flex RhinoBond® System
- Ideal waterproofing membrane for green roof and below grade installations
- 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 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)

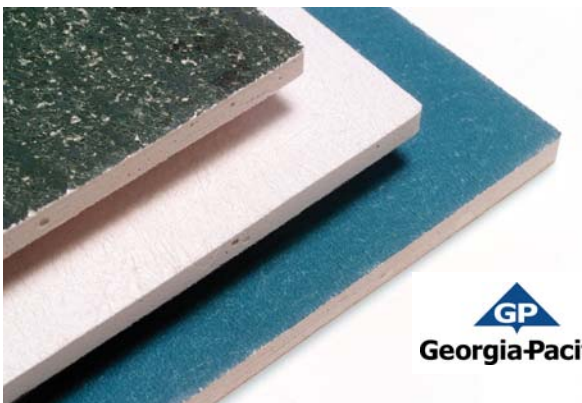
**Flex**

## POLYISO Insulation Products

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

- Flex AC-II- Non-asphaltic fiber reinforced organic felt 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)
- Available in 4'x4' and 4'x8' sheets, ranging from 1" to 4.5" thick
- Flex HD Cover Board - High Performance inorganic ACFoam-III coated glass facers. ASTM C1289, Type II, Class 4, Grade 1 (80 psi). Available in 1/2" thick 4'x4' and 4'x8' sheets
- 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 slopes 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



# PVC Standing Seam Roof Rib

The Flex PVC Roof Rib is designed specifically as a high quality, low cost alternative to the standing metal roof. The Roof Rib duplicates the look of a traditional standing seam, while saving the building owner the long term maintenance costs of a metal roof. The Flex PVC Roof Rib is manufactured from the same Flex compound as the Flex Roof membranes and is available in a wide range of colors to meet the requirements of any building design.



The product's base flange is approximately 2" wide and the rib profile is 1-1/8" high. Each rib has an 1/8" diameter fiberglass reinforcing cord built in for dimensional stability.

- Installed on fleece back or smooth back membrane
- Adhered Systems only
- Fast and simple installation
- Ribs available in 10' lengths
- Flexible rib spacing
- Available in a wide range of colors
- Covered under Flex long-term warranties

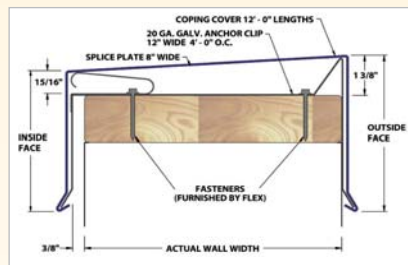


# Roof Edge Systems

Flex Roofing Systems' full system warranties include the Flex roof edge system and ensure complete wind uplift protection from edge to edge.

## Flexcap FLC Coping

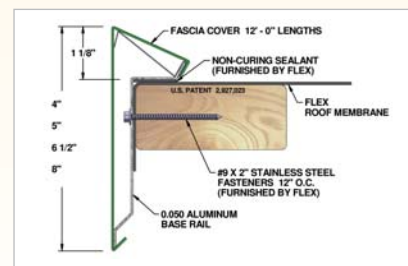
24 ga., .040", .050" & .063" coping cover



- FLC Coping Cap
- FLE Roof Edge
- FLT Roof Edge
- Flexlock Drip Edge
- Kynar 500 Finish
- Standard and Custom Colors
- Aluminum and 24 ga. Steel
- Full System Warranties

## Flexlock FLT Roof Edge

24 ga. & .040" fascia cover



# RhinoBond® System

Advanced Attachment of Flex PVC & TPO Roofing Systems

The Flex RhinoBond® is an advanced 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 Membrane Penetrations
- Streamlined installation
- Increased production results in lower installed cost
- Works with ISO, DensDeck®, Securock® and Recover Systems
- Operates on 110 volts
- Meets FM 4470
- Enhanced system performance



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

## 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.

# Flex Thermoplastic Roofing Systems

We have a 28 year history providing high performance roofing solutions to the commercial and residential markets with over 250 million square feet installed.

We offer complete roofing systems with edge-to-edge long-term warranties.

## Flex's Three Cool Roof Solutions

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



## Applications

- Commercial, industrial, residential
- New and re-roof installations
- Waterproofing Products and Systems
- Green Roof Solutions
- Solar Photovoltaic Systems
- Energy Star certified; CRRC approved
- LEED credits available

## Range of Roofing Systems

- Mechanically fastened
- RhinoBond® and Isoweld®
- Adhered:
  - Cold-applied
  - Low rise foam
  - Hot-applied
- Flex PVC Roof Rib Profile
- FlexDeck Material for Residential and Commercial Decks

## Complete Line of Accessories

- ISO Insulation Board and Tapered Systems
- Kingspan Extruded Polystyrene
- HD Coverboard
- GP DensDeck Roof Boards
- USG Securock Roof Boards
- Architectural Perimeter Metal



Flex Thermoplastic Membranes are available in a wide range of colors to meet the demanding requirements of any project

## Commitment to Customer Satisfaction is Our Number One Priority

- Nationwide Sales Force
- Outstanding Sales and Technical Support
- Contractor Training for Applicator Approval Certification
- Roof Inspection Analysis

# 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

