

# Elvaloy® KEE Roof System

Environmentally sustainable roofing solutions

## Elvaloy® KEE to Suit any Roofing Requirement

Experience the difference of having Flex Elvaloy® KEE membrane on your roof. Flex manufactures an Elvaloy® KEE Membrane for virtually any low-slope roofing application. Up to 10-foot wide sheets reinforced with polyester or fiberglass scrim, smooth back or fleece back, available in 45, 50, 60 or 80 mil thickness. Flex has a true and proven membrane to suit any low-slope roofing application.

## Flex Elvaloy® KEE will stand the test of time

With a higher molecular weight than traditional liquid plasticizers, the flexibilizer Elvaloy® KEE manufactured by DuPont does not migrate out of the roofing membrane. The KEE ingredient locks in the sheet's permanent flexibility, adds chemical resistance, improves cold temperature bend, and increases high-performance throughout the years. KEE enhances the service life by keeping the membrane pliable and weldable making repairs easy even after the membrane has been exposed to the harshest weather conditions.



**Flex Fleece Back Elvaloy® KEE Adhered Membrane**  
Flex FB Elvaloy® KEE membranes can be adhered with Flex FB Water Based Substrate Adhesive, FB Low Rise Foam Adhesive or Hot Steep Asphalt in new, re-roof (tear-off) and recover roof constructions. Since the FB Elvaloy® KEE membranes are true thermoplastics, seams are hot air welded creating a seam as strong as the original membrane.

## Benefits For the Building Owner

Flex Membranes are manufactured with the benefits to the building owner as top priority. Flex Elvaloy® KEE Membranes are long-lasting, resistant to pollutants, and weathering caused by UV exposure. White cool roof membranes reflect the solar heat radiation saving the building owner energy consumption and helps to reduce the urban heat island effect in the surrounding environment. Elvaloy® KEE is ideal when the roofing membrane will be subjected to harsh chemicals and conditions like acid rain, grease, and air-conditioning coolants.

## Ease of Installation



Flex Elvaloy® KEE membranes can be Ballasted, Mechanically Attached, Rhinobond or Adhered. Flex Fleece Back Membranes can be installed with Flex Water Based Adhesives, Flex FB Low Rise Foam

Adhesive or Hot Steep Asphalt in new, re-roof or recover roof assemblies. All Flex thermoplastic membranes seams are hot air welded, the material fuses to itself making the seam as strong as the original membrane.

## Flex RhinoBond® System

The Flex RhinoBond System permanently welds the underside of the Elvaloy® KEE membrane to the Flex RhinoBond Plates. The result is faster installation and a roof certified to FM I-150 wind uplift standards.



# Flex Elvaloy<sup>®</sup> KEE for Outstanding Performance

## Flex Elvaloy<sup>®</sup> KEE Features and Benefits

- 25 Years of proven performance
- Over 120 million square feet installed
- 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 in all temperatures
- Superior resistance to UV chemicals, coolants, grease, and industrial pollutants
- Thermal shock durability
- Installs adhered, mechanically attached, or with RhinoBond, and is ideal in a protective membrane roof (PMR) application
- Available in 45, 50, 60, 80 and 120 mil
- White, Gray and Tan Standard Colors
- Custom Colors Available
- Can contribute significantly to LEED Certification credits
- No Dollar Limit and Total Roof System Warranties



Flex Elvaloy<sup>®</sup> KEE Roof Systems are very popular with Schools, Colleges and Universities.



Used on Commercial, Industrial and Institutional applications where reliable, long term roofing solutions are essential.

### 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 designers and installers with technical assistance for all systems we provide.

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**Flex**

Thermoplastic Single Ply and Multi-Ply Roofing and Waterproofing Systems

**1-800-969-0108**

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