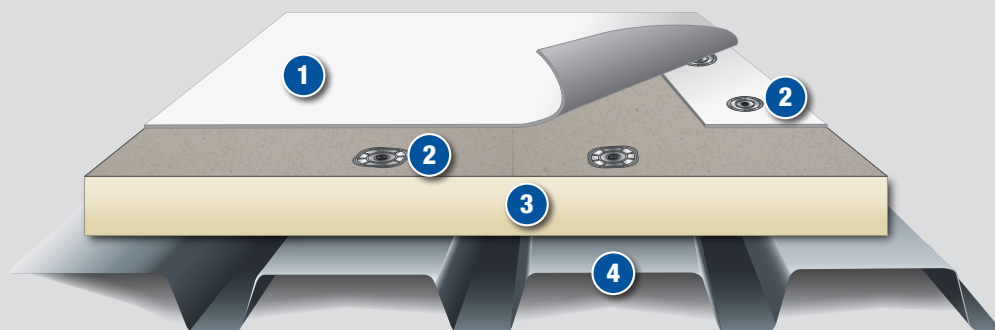


# Sure-Flex™ PVC/KEE HP

## Mechanically Fastened Roofing Systems



- 1 Sure-Flex PVC or KEE HP Reinforced Membrane
- 2 Carlisle Fasteners and Plates
- 3 Acceptable Carlisle Insulation
- 4 Approved Roof Deck

### Sure-Flex Membrane for Mechanically Fastened Roofing Systems is available in the following:

Color	PVC: White, Gray, Tan, Light Gray, and Slate Gray KEE HP: White, Gray, Tan, and Light Gray
Thicknesses (mils)	50, 60 and 80
Standard Widths	PVC Membrane: 10' and 81" PVC Perimeter Sheets: 5' and 40.5" KEE HP Membrane: 10' KEE HP Perimeter Sheets: 5'
Standard Lengths	50-mil: 100' 60-mil: 100' 80-mil: 75'

### System Features & Benefits:

- » Heat-weldable membranes
- » UL/FM codes and approvals
- » Highly solar reflective "cool" membrane saves on air conditioning costs
- » Enhanced physical property characteristics for long-term weatherability
- » Excellent chemical resistance to acids, bases, restaurant oils, greases, and jet fuel fall-out

	New Construction						Re-Roofing		
Existing or New Deck Type	Steel	Plywood or OSB	Lt. Wt. Concrete	Structural Concrete	Wood Planks	Gypsum & Fibrous Cement	Smooth Surface BUR	Gravel Surfaced BUR	Existing Single-Ply
Overlayment Required	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes*
Recommended Insulations	Carlisle Polyiso, Carlisle HP Recovery Board, DensDeck®, or Approved Insulation over Carlisle Polystyrene								
Insulation Attached By	Carlisle Fasteners and Plates								
Membrane Attached By	HP-X Fasteners/PIRANHA™ Plates; HP-XTRA Fasteners/PIRANHA XTRA Plate	HP-X Fasteners/PIRANHA Plates; HP-XTRA Fasteners/PIRANHA XTRA Plate	Lt. Wt. Deck Fasteners/Plates	CD-10/PIRANHA Plates; HD 14-10 Fasteners/PIRANHA Plates	HP-X Fasteners/PIRANHA Plates	Lt. Wt. Deck Fasteners/Plates	← Refer to New Construction		

FOR TEAR OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE.

For current code approvals and warranties, visit Carlisle's web site or contact a design analyst.

\* Refer to Carlisle's Sure-Flex Design Criteria Portion of the Current Specification.

# Sure-Flex™ PVC/KEE HP

## Mechanically Fastened Roofing Systems



### An Ideal Re-Roofing Solution

**Convenience:** Flexible membrane with heat-weldable seams

**Value:** No adhesives provides ability to recycle membrane after its usable life

**Performance:** Highly reflective and chemically resistant roof system

### Installation

Carlisle's Sure-Flex Mechanically Fastened Roofing System utilizes membranes in various colors in standard or minimum 50-mil, 60-mil or 80-mil thicknesses.

Insulation is mechanically fastened to an acceptable roof deck. Sure-Flex membrane sheets are mechanically fastened through the insulation to the deck with Carlisle HP-X or HP-Xtra Fasteners and appropriate PIRANHA or Barbed Oval Plates. Adjoining sheets are overlapped and joined together with a minimum 1½"-wide hot-air weld.

The above information represents a typical Carlisle Sure-Flex Mechanically Fastened Roofing System. Refer to Carlisle's published specifications and details for more complete information.

### Certified Fabricated Accessories

Certified Fabricated Accessories (CFAs) are the only factory-fabricated PVC accessories that meet the stringent quality tolerances required to be included in a warranted Carlisle PVC roofing system.

### Membrane and System Strengths

- » Available in highly reflective white, as well as gray and tan
- » Incorporates a strong polyester reinforcement giving the membrane excellent tear, breaking, and puncture resistance
- » Sure-Flex KEE HP membranes enhanced with DuPont's Elvaloy HP
- » Wide window of weldability affords easy membrane seaming
- » Hot-air-welded seams enhance ease of installation
- » High solar reflectivity "cool" roof saves on air conditioning costs

### System Codes

UL Class A, B, and Unlimited Slope ratings are available over standard roof deck types. FM uplift values of up to 195 psf can be achieved. For code specifics, refer to Carlisle's Code Approval Guide.

### Quality Assurance

Carlisle Authorized Applicators have been trained to install Carlisle's Sure-Flex Roofing Systems.

### Inspection

Upon installation completion, and prior to the issuance of a membrane system warranty, an inspection will be conducted by a Carlisle Field Service Representative.

### Warranty

Consult your Authorized Applicator or Carlisle Manufacturer's Representative/Distributor for associated warranty charges.

Provided all materials are manufactured or marketed by Carlisle, five to thirty year total system warranties are available with optional hail, puncture and reflectivity warranties available upon request.

