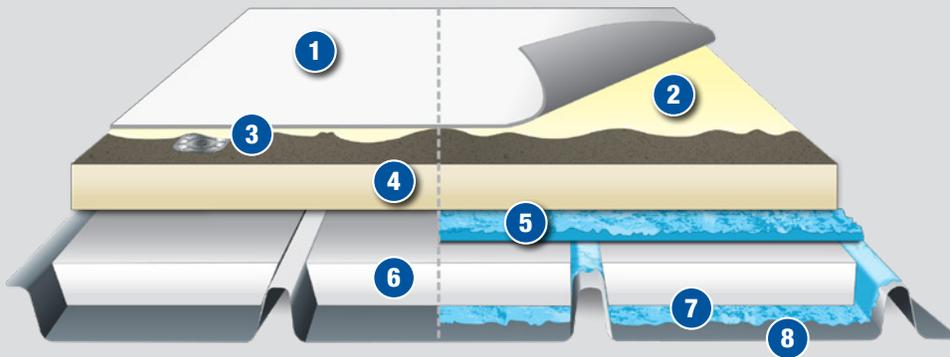


Sure-Flex™ PVC/KEE HP

Fully Adhered Metal Retrofit



- 1 Sure-Flex PVC or KEE HP Reinforced Membrane
- 2 Approved Carlisle Adhesive
- 3 Carlisle Insulation Fasteners and Plates
- 4 Approved Carlisle Insulation
- 5 Flexible FAST™ Adhesive
- 6 Approved Carlisle Flute Fill Insulation
- 7 Flexible FAST Adhesive
- 8 Existing Metal Roof

Color	White, Gray, Tan, Light Gray and Slate Gray*
Thicknesses (mils)	50-, 60- and 80-mil
Standard Widths	40.5", 5', 81", 10'
Standard Lengths	50-mil – 100' 60-mil – 100' 80-mil – 75'

*Slate Gray not available for Sure-Flex KEE HP

System Features and Benefits

- » Adds insulating value
- » Heat-weldable seams
- » Roofing membrane is CRRC rated and can contribute to LEED® requirements
- » Excellent wind uplift performance
- » Industry-leading PVC and KEE HP membranes provide exceptional weatherability, durability, and long-term rooftop performance

Sure-Flex PVC and KEE HP Membranes

Carlisle SynTec's Sure-Flex PVC and KEE HP are high-performance, heat-weldable, single-ply membranes that provide outstanding long-term performance in new construction and re-roofing applications. Sure-Flex KEE HP membranes utilize the highest grade of DuPont™ Elvaloy to ensure the membrane can withstand extreme climatic conditions.

Sure-Flex PVC Accessories

Carlisle SynTec Systems also offers over a dozen prefabricated, in-stock accessories, and countless custom-order accessories. All carry a CFA (Certified Fabricated Accessory) stamp of approval, so you know they've been manufactured to the highest quality standards. Every Carlisle SynTec CFA saves you time and money during installation.

Sure-Flex PVC/KEE HP

Fully Adhered Metal Retrofit

Metal Retrofit Fully Adhered Roofing System Installation

Flute-Fill Insulation:

A key component of a metal retrofit system is the addition of custom-fit insulation between the standing seams of the metal roof panels. Carlisle SynTec offers both EPS (expanded polystyrene) and Polyiso flute-fill insulation that can be factory cut to fit between each metal panel. This insulation layer also adds R-value and can be loose-laid or adhered.

Additional Insulation:

Once flute-fill insulation has been installed, additional insulation ranging from a ¼-inch cover board to several inches of polyiso insulation can be adhered or mechanically fastened to the metal roof to create a smooth flat substrate for the membrane. Adding polyiso insulation and cover boards can add additional R-value to the system. Using a high-compressive strength polyiso cover board or gypsum cover board can also enhance impact resistance and fire resistance.

Sure-Flex PVC/KEE HP Membrane:

The membrane is fully adhered to the substrate with CAV-GRIP® PVC (PVC only), Low-VOC PVC Bonding Adhesive, or HydroBond™ Bonding Adhesive (PVC only). Adjoining sheets of membrane are overlapped and joined together with a minimum 1-½" wide hot air weld.

Membrane and System Strengths

- » Economical to install over existing metal roofs
- » Easily installed over most aged metal roofs
- » Heat-weldable seams provide a complete, monolithic membrane assembly
- » Sure-Flex PVC and KEE HP reinforced membranes are durable and puncture resistant

System Codes

For specific code approvals, refer to Carlisle SynTec's Code Approval Guide.

Warranty

Consult your Carlisle SynTec Authorized Contractor, Independent Sales Representative, or Distributor for associated warranty charges.

Carlisle SynTec's metal retrofit roof systems, when properly installed and inspected on a commercial project, are backed by our industry leading Total System Warranty. Five to twenty year total system warranties are available when all materials used for the roofing installation are manufactured or marketed by Carlisle SynTec. Optional hail and puncture warranties available upon request.



Fully Adhered System

Mechanically Fastened Insulation

Fully Adhered Insulation

Flutes of Existing Metal Roof are filled with an Acceptable Insulation

	Mechanically Fastened Insulation	Fully Adhered Insulation
Flute Filler Attached By	Insulation is loose-laid into flutes	Insulation is adhered with Flexible FAST Adhesive to flutes
Insulation Attached By	Approved Insulation is laid over the Flute Fill Insulation and is mechanically fastened into existing metal with InsulFast™ or HP-X Fasteners™	Approved Insulation is adhered to the Flute Fill with Flexible FAST adhesive
Membrane Attached By	For PVC: CAV-GRIP PVC (PVC only) Adhesive, PVC Bonding Adhesive, HydroBond Bonding Adhesive For KEE HP: PVC Bonding Adhesive	

For more information, refer to Sure-Flex specifications. UL Class A Ratings available.

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