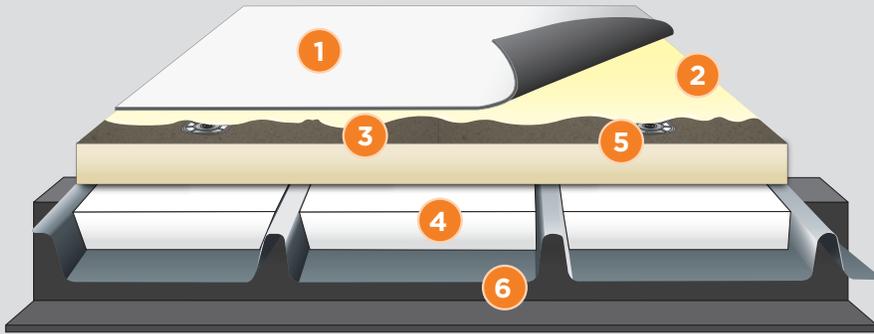


WeatherBond **PVC/KEE HP**

Fully Adhered Metal Retrofit Roofing System



Typical Application

- 1 WeatherBond PVC or KEE HP Reinforced Membrane
- 2 Bonding Adhesive
- 3 Acceptable Insulation
- 4 Flute Fill Insulation
- 5 Insulation Fasteners and Plates
- 6 Existing Metal Roof

Colors:	White, Gray, Tan, Light Gray and Slate Gray
Thicknesses:	50-, 60- and 80-mil
Standard Widths:	40.5", 5', 81", 10'
Standard Lengths:	50-mil – 100' 60-mil – 100' 80-mil – 75'

System Features and Benefits

- 50-, 60-, and 80-mil membrane thicknesses
- White, gray, tan, light gray and slate gray colors available
- Adds insulating value
- Heat-weldable seams
- Roofing membrane is ENERGY STAR® qualified, 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

WeatherBond PVC and KEE HP Membranes

WeatherBond 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. WeatherBond KEE HP membranes utilize the highest grade of DuPont™ Elvaloy® to ensure the membrane can withstand extreme climatic conditions.

Certified Fabricated Accessories

WeatherBond 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 WeatherBond CFA saves you time and money during installation.



WEATHERBOND
ROOFING SYSTEMS

Single-Ply Simplified

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. WeatherBond 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 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.

WeatherBond PVC/KEE HP Membrane:

PVC or KEE HP membrane is fully adhered to the insulation with WeatherBond's Low-VOC Bonding Adhesive, CAV-GRIP PVC (PVC only), 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
- Specially designed fastening system using induction welding plates anchors into the structural purlins (the strongest point of the roof) for optimum performance
- Easily installed over most aged metal roofs
- Heat-weldable seams provide a complete, monolithic membrane assembly
- WeatherBond PVC and KEE HP reinforced membranes are durable, puncture resistant, and ENERGY STAR qualified for cool roof designs



Fully Adhered

Flutes of Existing Metal Roof are filled with an Acceptable Insulation

Flute Filler Attached By	Insulation is loose-laid or adhered into flutes
Approved insulation is then laid over Flute Filler	
Insulation Attached By	Insulation is mechanically fastened into existing metal with WeatherBond Insulation Fastener or HPWX Fasteners
Membrane Attached By	For PVC: CAV-GRIP PVC Adhesive, PVC Bonding Adhesive, HydroBond Bonding Adhesive For KEE HP: PVC Bonding Adhesive

Review current WeatherBond installation instructions for specific installation requirements.
For current code approvals contact WeatherBond.



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ROOFING SYSTEMS

Single-Ply Simplified

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