



# Sure-Flex™ KEE HP

## Reinforced Coverstrip



### Overview

Carlisle's Sure-Flex KEE HP Reinforced Coverstrip is an 8" (20.3 cm)-wide, nominal 60-mil (1.52 mm) and 80-mil (2.03 mm)-thick KEE HP flashing that contains a polyester reinforcing fabric. Available in white, gray, and tan, KEE HP Reinforced Coverstrip is used for stripping in rows of fasteners and plates, covering the butt joints of Sure-Flex KEE HP and FleeceBACK® KEE HP membranes, and stripping in PVC Coated Metal roof edging. This product's smooth surface allows a total surface fusion weld over a wide temperature range, facilitating a consistent, watertight roof system.

Note: KEE HP Reinforced Coverstrip cannot be used to flash corners, pipes, t-joints, angled metal flanges such as gravel stops, or other canted metal edgings.

Carlisle's Sure-Flex KEE HP Reinforced Coverstrip is part of the Certified Fabricated Accessory (CFA) program. CFAs are the only factory-fabricated PVC accessories that meet the stringent quality tolerances required for inclusion in a Carlisle warranted roofing system.

### Features and Benefits

- » Excellent chemical resistance
- » Wide window of weldability
- » Low-temperature flexibility
- » Impact and puncture resistant
- » Easy installation
- » Outstanding solar, UV, ozone, and oxidation resistance
- » Available in White, Gray, and Tan
- » Reinforced PVC enhanced with KEE HP for superior performance
- » Can be used on both PVC and KEE HP systems

### Installation

1. Ensure the existing KEE HP membrane or Coated Metal surface is clean prior to welding the Reinforced Coverstrip in place. If dirt is present, use Carlisle's PVC and KEE HP Membrane Cleaner to properly prepare the surface.
2. Weld Reinforced Coverstrip in place using an auto-welder or hand-welder.
3. Use the edge of a hand-held silicone roller to press the flashing into any membrane step-off for a proper seal.

**Stripping in fasteners and plates:** Cut Coverstrip to the proper length and install atop the row of fasteners and plates, maintaining a 1½" (3.8 cm) width of Coverstrip on both sides of the row. Tack weld to hold in place; then, using a handheld hot air welder or an automatic hot air welding machine, properly weld all edges of the Coverstrip to ensure a watertight seal. Maintain a 1½" (3.8 cm)-wide weld on all edges.

*Review Carlisle specifications and details for complete installation information.*

### Precautions

- » Sunglasses that filter out ultraviolet light are strongly recommended, as the membrane's white surface is highly reflective to sunlight. Roofing technicians should dress appropriately and wear sunscreen.
- » Smooth surfaces may be slippery due to frost and ice buildup. Exercise caution during cold conditions to prevent falls.
- » Care must be exercised when working close to a roof edge, particularly when the surrounding area is snow-covered, as the roof edge may not be clearly visible.
- » Use proper stacking procedures to ensure sufficient stability of the materials.
- » Exercise caution when walking on wet membrane. Membranes may be slippery when wet.
- » Store KEE HP Coverstrip in its original container.

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### Typical Properties and Characteristics

Physical Property	ASTM D4434 Requirement	60-mil	80-mil
<b>Thickness over scrim</b> , in. (mm) ASTM D4434 optical method average of 3 areas	0.016 min (0.40)	0.029 (0.74)	0.036 (0.91)
<b>Weight</b> , lbs/ft <sup>2</sup> (kg/m <sup>2</sup> )	No requirement	0.38 (1.86)	0.51 (2.49)
<b>Breaking strength</b> (MD x CD), lbf/in (kN/m) ASTM D751 grab method	275 min (48)	320 x 300 (56 x 52)	330 x 320 (58 x 56)
<b>Elongation</b> break of reinforcement (MD x CD), % ASTM D751 grab method	25 min	30 x 30	30 x 30
<b>Tearing strength</b> (MD x CD), lbf (N) ASTM D751 proc. B, 8 in. x 8 in.	90 min (400)	120 x 125 (534 x 556)	140 x 150 (623 x 667)
<b>Low temperature bend</b> , ASTM D2135, no cracks 5x at -40°C	PASS	PASS (-46°C)	PASS (-46°C)
<b>Linear dimensional change</b> , % ASTM D1204, 6 hours at 176°F	±0.5 max	0.4 typ.	0.4 typ.
<b>Ozone resistance</b> , no cracks 7x ASTM D1149, 100pphm, 168 hrs	PASS	PASS	PASS
<b>Water absorption resistance</b> , mass % ASTM D570, 166 hours at 158°F water	±3.0 max	0.87	0.89
<b>Puncture resistance - Dynamic</b> , J (ft-lbf) ASTM D5635	20 (14.7)	PASS	PASS
<b>Puncture resistance - Static</b> , lbf (N) ASTM D5602	33 (145)	PASS	PASS
<b>Xenon-Arc resistance</b> , no cracks/crazing 10x, ASTM G155 0.35 W/m <sup>2</sup> at 340-nm, 63°C B.P.T. 12,600 kJ/m <sup>2</sup> total radiant exposure 10,000 hours	PASS	PASS	PASS
<b>Properties after heat aging</b> ASTM D3045, 56 days at 176°F Breaking strength, % retained Elongation reinf., % retained	90 min 90 min	90 min 90 min	90 min 90 min

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification or specification range for any particular property of this product.

### LEED® Information

Pre-consumer Recycled Content	10%
Post-consumer Recycled Content	0%
Manufacturing Location	Greenville, IL
Solar Reflectance Index (SRI)	White: 110, Tan: 90, Gray: 69

### Cool Roof Rating Council (CRRC) and LEED

Physical Property	Test Method	White KEE HP	Tan KEE HP	Gray KEE HP
CRRC - Initial Solar Reflectance	ASTM C1549	0.87	0.73	0.58
CRRC - Solar Reflectance after 3 years	ASTM C1549 (uncleaned)	0.71*	0.60*	0.50*
CRRC - Initial Thermal Emittance	ASTM C1371	0.89	0.88	0.88
CRRC - Thermal Emittance after 3 years	ASTM C1371 (uncleaned)	0.87*	0.86*	0.84*
Solar Reflective Index (SRI)	ASTM E1980	110	90	69
Solar Reflective Index (SRI) SRI after 3 years	ASTM E1980	87	71*	56*

\*Rapid Results

