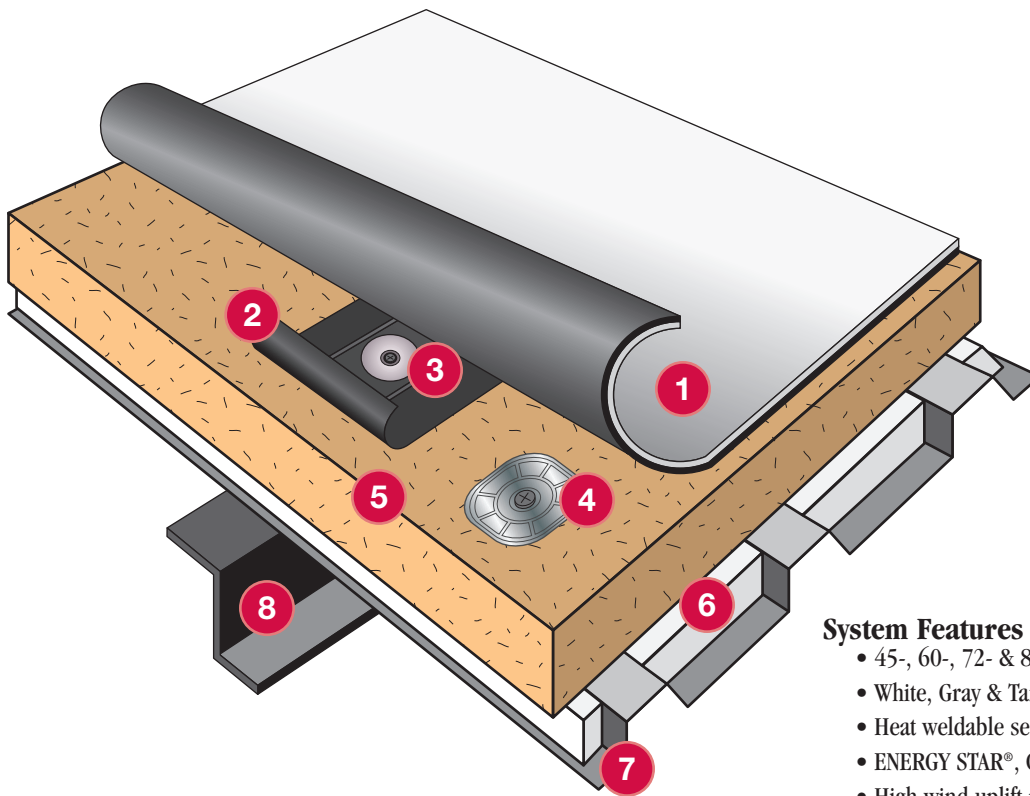




CARLISLE'S

SURE-WELD® METAL RETROFIT



Typical Application

- 1 Sure-Weld™ 45-mil Membrane
- 2 10" wide RUSS™ (Reinforced Universal Securement Strip)
- 3 Carlisle HP Purlin Fasteners
- 4 HP or HP-X Fasteners
- 5 Acceptable Insulation
- 6 Flute Filler
- 7 Existing Metal Roof
- 8 Structural Purlin

System Features and Benefits include:

- 45-, 60-, 72- & 80-mil membrane thicknesses
- White, Gray & Tan colors available
- Heat weldable seams
- ENERGY STAR®, CRRC and LEED approved roofing membrane
- High wind uplift performance
- Industry's highest top ply membrane thickness adds improved weatherability, durability and long-term rooftop performance

Metal Retrofit Systems are available in the following:

Standard Gauges: 45-, 60-, 72-, and 80-mil

Colors: White, Gray, Tan

Standard Widths: 12'

Standard Lengths: 100'

THREE SYSTEM OPTIONS EXIST

	MECHANICALLY-FASTENED	FULLY-ADHERED	NON-PENETRATING TPO
	FLUTES OF EXISTING METAL ROOF ARE FILLED WITH AN ACCEPTABLE INSULATION		
FLUTE FILLER ATTACHED BY	INSULATION IS LOOSE-LAID INTO FLUTES	INSULATION IS LOOSE-LAID INTO FLUTES OR SET WITH APPROVED ADHESIVE	INSULATION IS SET INTO FAST ADHESIVE
	APPROVED SURE-SEAL INSULATION IS THEN LAID OVER EXISTING ROOF		
INSULATION ATTACHED BY	INSULATION IS MECHANICALLY-FASTENED INTO EXISTING METAL WITH HP INSULFAST OR HP-X FASTENERS	HP OR HP-X FASTENERS SECURE INSULATION TO EXISTING METAL, OR FAST ADHESIVE	SET INTO FAST ADHESIVE
MEMBRANE ATTACHED BY	HP PURLIN FASTENERS USED TO ATTACH 10" TPO PRESSURE-SENSITIVE RUSS STRIP INTO EXISTING TPO PURLINS	BONDING ADHESIVE IS UTILIZED TO ADHERE MEMBRANE TO THE INSULATION	FLEECEBACK TPO MEMBRANE IS SET INTO FAST ADHESIVE

*For Fully-Adhered or Non-Penetrating TPO option, refer to the Sure-Weld specifications.

UL Class A Ratings available. For current Code Approvals and Warranties, visit Carlisle's website, or contact a Carlisle Design Analyst.



ROOFING AMERICA: OVER 40 YEARS AND 10 BILLION SQUARE FEET™

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CARLISLE'S

SURE-WELD® METAL RETROFIT

The Sure-Weld Metal Retrofit Roofing System is designed for retrofitting existing standing seam, flat seam or corrugated metal roofs.

Project Information:

This Metal Retrofit Roofing System is being installed for the project named below:

job name: _____

city: _____

state: _____

The Carlisle Authorized Roofing Applicator is:

company name: _____

address: _____

city: _____

state: _____

zip: _____

phone: _____

Installation

An acceptable insulation is used to fill the metal deck flutes. A subsequent layer of insulation or membrane underlayment is then installed and secured to the metal roof with Carlisle HP or HP-X Fasteners and insulation plates.

10" wide TPO Pressure-Sensitive RUSS strips are attached through the insulation (underlayment) to the purlins with Carlisle HP Purlin Fasteners. Sure-Weld reinforced TPO membrane is then attached to the RUSS strips. Adjoining membrane sheets are hot air welded together using an approved auto hot air welder.

Metal Retrofit Fully-Adhered Roofing System

After filling the metal flutes with an acceptable insulation, attach the approved roofing insulation board to the metal roofing with either HP or HP-X fasteners and insulation plates or with an approved adhesive (FAST or other approved). Sure-Weld membrane is then adhered to the insulation with Sure-Weld Bonding Adhesive.

FleeceBACK with FAST™ Adhesive Adhered Roofing System

After filling the metal flutes with an acceptable insulation attach the approved roofing insulation board to the metal roofing with either HP or HP-X fasteners and insulation plates or with FAST adhesive. Sure-Weld membrane is then adhered to the insulation with Carlisle's FAST adhesive.

Sure-Weld Membrane and System Strengths

- Economically installed over existing metal roofs
- Specially-designed fastening system using Carlisle's RUSS strips anchored into the structural purlins (the strongest point of the roof) provide optimum performance
- Installs easily over most aged metal roof decks
- Heat weldable seams provide a complete and monolithic membrane assembly
- Reinforced Sure-Weld TPO membranes are durable, highly puncture resistant and carry the ENERGY STAR rating for a Cool Roof design

System Codes

- UL Class A, B and Unlimited Slope ratings are available
- Meets FM Loss Prevention Data Sheet 1-31

For code specifics, refer to Carlisle's Code Approval Guide.

Quality Assurance

Carlisle Authorized Applicators have received training to install Carlisle's Metal Retrofit 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.

This system, properly installed and inspected on a commercial project may receive:

- A 5- or 10- year Membrane System Warranty; peak gust wind speed coverage up to 55 mph.
- A 10-year Total System or 15-year Golden Seal Warranty may be requested when all materials used for the roofing installation are manufactured or marketed by Carlisle. A maximum peak gust wind speed coverage of 55 miles per hour is standard.
- For more specifics or for International warranty programs, contact Carlisle.



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800-4-SYNTEC
www.carlisle-syntec.com

Carlisle, Sure-Weld, FAST and RUSS are Carlisle trademarks.

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