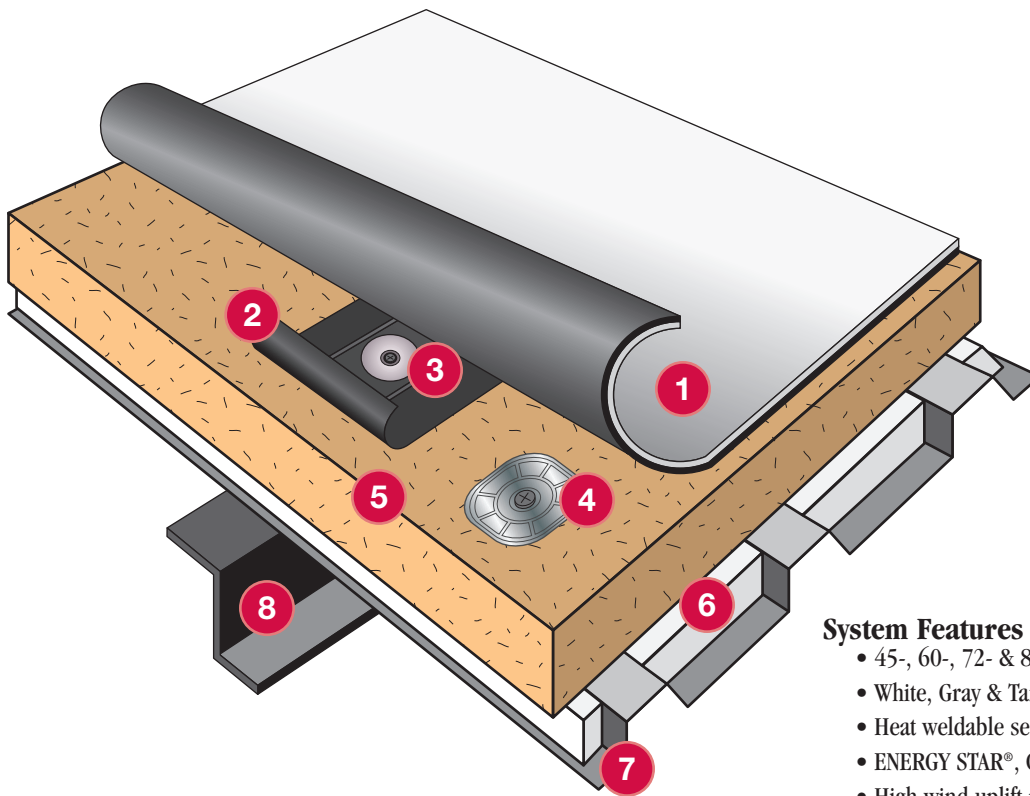




CARLISLE'S

# 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 SynTec Incorporated



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

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REPRINT REQUEST CODE  
602200 - "SW MR System Sheet" - 081205

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Printed In U.S.A.



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