CARLISLE SYNTEC SYSTEMS

Re-Roofing Redefined

Commercial Roofing Recover Options

Choose the Roof that is **Right For Your Building**

Carlisle understands that every building is different and has unique requirements when it comes to choosing the right replacement roof. This guide is designed to help you easily identify the best recover option based on your existing roof system, your energy requirements, and your budget. Whatever your needs, Carlisle provides a comprehensive offering of products, services, and warranty options.

System Options	Existing Roof Type					
	Metal	Gravel Surface BUR	Smooth Surface BUR & Modified Bitumen	TPO or EPDM	Ballasted EPDM	PVC
PREMIUM						
RapidLock EPDM or TPO membrane with new Securshield RL insulation	Up to 20 (flute fill required)	Up to 20	Up to 20	Up to 20	Up to 20	Up to 20
Fully Adhered or Mechanically Attached EPDM, TPO, PVC, or FleeceBACK membrane with new polyiso	Up to 20 (flute fill required)	Up to 20	Up to 20	Up to 20	Up to 20	Up to 20
VacuSeal™ EPDM, TPO, or PVC with new EcoStorm VSH™ or approved gypsum cover board	Up to 20 (flute fill required)	Up to 20	Up to 20	Up to 20	N/A	Up to 20
Induction Welded TPO or PVC with new polyiso insulation	Up to 20 (flute fill required)	Up to 20	Up to 20	Up to 20	Up to 20	Up to 20
STANDARD						
Fully Adhered FleeceBACK® Membrane (Direct recovery application without new insulation)	N/A	N/A	Up to 20	Up to 20	N/A	N/A
Fully Adhered or Mechanically Attached EPDM, TPO, or PVC with Carlisle SecurShield HD or approved Cover Board	Up to 20 yr. (flute fill required)	Up to 20	Up to 20	Up to 20	Up to 20	Up to 20
Induction Welded TPO, or PVC with Carlisle SecurShield® HD or approved Cover Board	Up to 20 yr. (flute fill required)	Up to 20	Up to 20	Up to 20	Up to 20	Up to 20
Induction Welded TPO or PVC (without new insulation)	N/A	N/A	N/A	Up to 15	N/A	N/A
Mechanically Attached TPO, EPDM, or PVC (without new insulation)	N/A	N/A	Up to 15 (EPDM & TPO only)	Up to 15	N/A	N/A
BASIC						
X-Tenda Coat*	Up to 10	N/A	Up to 5	Up to 10	N/A	Up to 10

Approved Substrates for mechanically attached insulation and membrane include corrugated steel (min. 22 ga), structural concrete, plywood (min. 15/32"), wood plank. Consult Carlisle specifications for full list

For metal roof recovers, mechnically attached systems must be attached through purlins

A minimum of .060 mil EPDM, TPO, or PVC membrane is required for most systems. Consult Carlisle specifications for further details

Puncture and hail warranties may be available when using FleeceBACK membranes, 80 mil TPO and PVC, 60 mil reinforced or 90 mil non-reinforced EPDM membranes.

*Like all of Carlisle's dependable roofing products, X-Tenda Coat products are backed by industry-leading warranties. Depending on the thickness of the coating application, Carlisle offers 5- and 10-year Material and Limited System Warranties on its X-Tenda Coat systems. Note: System Warranties are only available when coating is applied to a Carlisle roofing system. Please refer to Carlisle's Specifications and Details for complete warranty information.

Re-Roofing Redefined

Convenience, value and performance are three critical considerations when it comes to the success of any reroofing project. Carlisle SynTec Systems has designed specific reroofing systems to address all these concerns. Learn about the ideal reroofing products and systems by looking for the Reroofing Redefined logo on Carlisle's website and literature.

Convenience: When conducting a reroofing project on an occupied building there are many considerations to ensure minimal disruption and maximum convenience. Fumes and odors, noise level, project timeline, aesthetics, and the ability to maintain normal operations to name a few. Carlisle offers a wide range of products and systems designed with these considerations in mind.

Value: From installed cost to energy efficiency, maintenance cost and overall environmental impact, the value of a new roofing system from Carlisle takes many factors into consideration. As the leading manufacturer of low-slope roofing products and with more system options than any competitor, Carlisle can outline how different solutions can provide the value that is most important to any customer.

Performance: With warranty options from 10-30 years, 55 to 120 mph, and options to include hail and accidental puncture coverage, Carlisle can design a reroofing system that provides the resistance to the elements required to keep your roofing system performing for decades. A building's roofing system plays a major role in the energy efficiency and resiliency of that building. Carlisle has designed numerous reroofing solutions to maximize performance in any environmental conditions.

RE-ROOFING DESIGN CONSIDERATIONS

Re-roofing over an old roofing system can save considerable time and labor. However, you must consider all options, including a complete tear-off of the old roofing system when necessary. Always consult a roofing design professional to discuss your options. It's also important to contact an engineering professional to ensure the building and roof structure are not overloaded by adding new material or making alterations to the roofing system. Additional re-roofing considerations include:

- If wet or damaged insulation is present, it should always be removed and replaced during re-roofing.
- Always check local and state energy codes to determine whether it is necessary to add insulation to a roofing system to meet minimum LTTR values.
- Always consult local and state building code requirements to ensure the design of a new roof meets all requirements.
- Consider using a rigid coverboard or FleeceBACK membrane to prevent punctures or in hail-prone regions.
- Design with future use in mind, including the potential installation of solar energy systems or amenity space like roof gardens and paver systems.

EXPERIENCE THE CARLISLE DIFFERENCE

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