

## Re-roofing Guide



**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
<b>PREMIUM</b>						
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
<b>STANDARD</b>						
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
<b>BASIC</b>						
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. <sup>15</sup>/<sub>32</sub>" ), wood plank. Consult Carlisle specifications for full list

For metal roof recovers, mechanically 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.



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## RE-ROOFING DESIGN CONSIDERATIONS

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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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