CARLISLE’S

RE-ROOFING GUIDE

RECOVER OPTIONS

INVESTING IN ROOFING SOLUTIONS FOR OVER 45 YEARS
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.

## OPTIONS AND WARRANTIES FOR

### Existing Roof

<table>
<thead>
<tr>
<th>Existing Roof</th>
<th>10-year Options</th>
<th>15-year Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-Tenda Coat®</td>
<td>Fully Adhered FleeceBACK® TPO or EPDM Membrane with FAST™ Adhesive</td>
<td>Mechanically Attached Membrane Direct to Existing Roof (EPDM, TPO or PVC)</td>
</tr>
<tr>
<td>Metal</td>
<td>10 yrs.</td>
<td>—</td>
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<tr>
<td>Gravel Built-up Roof</td>
<td>—</td>
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<tr>
<td>Smooth Built-up Roof/Modified Bitumen</td>
<td>5 yrs.</td>
<td>—</td>
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<tr>
<td>TPO or EPDM</td>
<td>10 yrs.</td>
<td>10 yrs.</td>
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<tr>
<td>Ballasted EPDM (Ballast must be removed)</td>
<td>—</td>
<td>—</td>
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<tr>
<td>PVC</td>
<td>10 yrs.</td>
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</tbody>
</table>

1. Approved mechanically attached substrates include steel, structural concrete, plywood and wood planks
2. Mechanically attached systems must be attached through Purlins
3. Sure-Seal® EPDM and Sure-Weld® TPO only
4. Over Sure-Seal EPDM only
5. EPS Flute Fill Required

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FleeceBACK TPO or EPDM Adhered with FAST Direct-to-Modified Bitumen  
Coverboard and Fully Adhered Membrane to Modified Bitumen  
RhinoBond Direct-to-Existing EPDM or TPO
## RE-ROOFING OVER AN EXISTING ROOF

<table>
<thead>
<tr>
<th>RhinoBond® Attachment Minimum .045 TPO or PVC Direct to Existing Roof</th>
<th>Recovery Board and RhinoBond Attachment Minimum .045 TPO Membrane</th>
<th>Fully Adhered FleeceBACK TPO or EPDM Membrane with FAST Adhesive</th>
<th>Single layer of ISO with Fully Adhered or Mechanically Attached Minimum .060 Membrane</th>
<th>Double layer of ISO with Fully Adhered Minimum .060 EPDM, TPO or PVC</th>
<th>Double layer of ISO with Mechanically Attached Minimum .060 EPDM, TPO or PVC</th>
<th>Double layer of ISO and RhinoBond Attachment of Minimum .060 PVC or TPO</th>
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<td>—</td>
<td>20 yrs. ² ½ yrs.</td>
<td>20 yrs.</td>
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<td>15 yrs.</td>
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<td>20 yrs.</td>
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</table>

### 20-year Options

Note:

- A Puncture Warranty is available for Sure-Seal Reinforced EPDM membrane, FleeceBACK TPO and EPDM membrane, .072 and .080 Sure-Weld TPO membrane and .090 Sure-Seal EPDM membrane.

- A Reflectivity Warranty is available for Sure-Weld White TPO membrane.

- Carlisle’s Sure-Weld white and tan TPO membrane, Sure-Seal White EPDM membrane and Sure-Flex White PVC membrane all meet ENERGY STAR® guidelines.

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**Single Layer of ISO and Mechanically Attached Membrane over Smooth BUR**

**EPS Flute Fill and one Layer of ISO on Metal Retrofit**

**Double layer of ISO and Fully Adhered Membrane to Existing Single-Ply**
Uncover Long-Term Savings with Roof$ense

Roof$ense is a web-based, lifecycle analysis program that allows building owners to calculate the potential energy savings of their new roof throughout the next 10, 20 or 30 years.

- Analysis is based on your geographical location using data from independent sources such as the U.S. Department of Energy
- Compare and contrast the energy savings provided by different roofing systems
- Calculates your building’s optimal R-value of insulation and provides projected return on investment related to roof expenditures

Ask your Carlisle Sales Representative for a free Roof$ense evaluation.

Discover the condition of your roof with Proposal Writer 3

Proposal Writer 3 is a web-based proposal software that generates and provides roof condition reports to building owners.

- Includes prescribed roofing details to explain existing conditions
- Photo manager included to annotate and describe pictures
- Specifications can be included for customization

Ask your Carlisle Sales Representative for a free roof condition report.

INVESTING IN ROOFING SOLUTIONS FOR OVER 45 YEARS

Investing in Roofing Solutions for Over 45 Years
800-479-6832 • P.O. Box 7000 • Carlisle, PA 17013 • Fax: 717-245-7053 • www.carlisle-syntec.com
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