



June 23, 2020

Advisory Bulletin AB-2020-05

Fifteen (15) Year ARCA Warranty Certificate

The Fifteen (15) Year ARCA Warranty Certificate was established to provide a resilient and durable high-quality roofing assembly that would protect Building Owners for an extended period. The combination of thicker membranes, elevated penetrations and additional measures that protect the roof against water infiltration provide a robust roofing assembly that meets Alberta's harsh climatic requirements.

The following requirements shall be met for a project to be eligible for an ARCA Fifteen (15) Year Warranty Certificate.

1. Only commercial conventional uninsulated and insulated, new and replacement modified bitumen (MB), thermoset (EPDM) and thermoplastic (TPO/PVC) membrane systems are eligible.
2. Completed primary membrane shall be exposed to view at all times (no loose-laid ballasted systems and no overburden permitted). No membrane supported pavers, ballast or structures (i.e. roof terraces) shall cover any portion of the primary membrane except for walkways and around roof mounted mechanical equipment.
3. The roof shall be sub-divided into enclosed/self-contained membrane sections. Each section shall have ARCA accepted control joints anchored to the structural decking. Roof area dividers shall be spaced to ensure the enclosed membrane section does not exceed 1,859 m² (20,000 ft²) in area regardless of membrane type or system design.
4. Enclosed roof membrane sections shall have positive drainage with a minimum slope of 1:50 (2%).
5. For re-roofing projects;
 - a. All existing roofing components shall be removed to expose the existing roof decking.
 - b. All existing membrane flashing shall be removed to expose the existing substrate or completely covered with an ARCA accepted substrate.
 - c. No stramit decks will be permitted.
6. A self-adhered or thermally fused vapour retarder is required (except for uninsulated designs).
7. A minimum 12.7mm (1/2") glass faced gypsum auxiliary leveling surface shall be mechanically fastened on steel decks to support the vapour retarder.
8. Roof assemblies shall consist of a minimum of two layers of ARCA approved insulation with a minimum thickness of 38mm (1 1/2") for each layer.
9. The top layer of insulation shall be a minimum 38mm (1 1/2") ARCA approved polyisocyanurate insulation meeting CAN/ULC S-704 Type 2, Class 3.
10. Roofing membranes shall be approved for 15 Year Warranty Certificate eligibility, listed in the ARCA Approved Membrane product listing.
11. Only new metal flashings are to be installed.
12. Only new roof drains shall be installed, equal in size to existing roof drains on re-roof applications.
13. All membrane penetrations (except roof drains) shall be curbed and shall meet ARCA minimum height requirements.
14. Membrane protection shall be installed around all roof mounted mechanical equipment and walkways.
15. Roof areas containing rack-mounted photovoltaic installations are not eligible for an ARCA 15 Year Warranty Certificate.

Organic or inorganic built-up roofing (BUR), primary membrane replacements, membrane recovery, residential roofing and vegetated roofing are not eligible for a 15 Year ARCA Warranty Certificate.