

**October 23, 2023**

# Technical Bulletin TB-2023-04

## I. Acceptance of Carlisle RapidLock Membrane Attachment

On September 27, 2023 ARCA Warranty Ltd. accepted the Carlisle RapidLock attachment method for fully adhered Carlisle FleeceBACK thermoset (EPDM) and thermoplastic (TPO) membranes over Carlisle InsulBase RL or SecurShield RL polyisocyanurate insulation.

### NEW Accepted Membranes

Carlisle FleeceBACK RL RapidLock EPDM membrane (115 mil, 145 mil)

Carlisle FleeceBACK RL RapidLock TPO membrane (115 mil, 135 mil)

### NEW Accepted Insulation

Carlisle SecurShield HD RL polyisocyanurate insulation

Carlisle InsulBase RL polyisocyanurate insulation

### NEW Standard

#### EPDM 5.4.4.2

For fully adhered E.P.D.M. membrane systems, a mechanically fastened or adhered 12.7mm (1/2") thick high density (HD) polyisocyanurate roof insulation cover board may be installed over accepted roof insulation when approved by the membrane manufacturer. Do not use under loose-laid ballasted membrane.

#### TP 5.4.4.2

For fully adhered thermoplastic membrane systems, a mechanically fastened or adhered 12.7mm (1/2") thick high density (HD) polyisocyanurate roof insulation cover board may be installed over accepted roof insulation when approved by the membrane manufacturer. Do not use under loose-laid ballasted membrane

### REVISED Standard

#### EPDM 6.3.3.5

The adhesive method used to adhere E.P.D.M. membranes to accepted substrates shall be approved by the membrane manufacturer.

#### TP 6.3.4.3.

The adhesive method used to adhere thermoplastic membranes to accepted substrates shall be approved by the membrane manufacturer.

Changes will be referenced in the ARCA Accepted materials listings and ARCA Roofing Application Standards Manual.

## II. Acceptance of Siplast Self-Adhered Base Sheets – Modified Bituminous Membrane Flashing

On September 27, 2023 ARCA Warranty Ltd. accepted the following Siplast self-adhered base sheet membranes to be used as membrane flashing base sheets for ARCA 5, 10 and 15 year Warranty Certificates.

- Siplast Paradiene 20 SA
- Siplast Paradiene 20 EG SA
- Siplast Paradiene TS SA

Changes will be referenced in the ARCA Accepted Modified Bituminous Membrane Flashing materials and ARCA Roofing Application Standards Manual.

## III. Revision to ARCA 15-Year Warranty Certificate polyisocyanurate material requirements.

On September 27, 2023 ARCA Warranty Ltd. revised the minimum requirement for the top layer of ARCA accepted polyisocyanurate insulation used in ARCA 15-Year warranted systems. The top layer of polyisocyanurate insulation used in ARCA 15-year warranted systems shall now meet the minimum standards of CAN/ULC S-704 Type 2, Class 2.

### REVISED Standard:

EPDM 5.3.7  
MB 5.3.8  
TP 5.3.7

To qualify for an ARCA 15 Year Warranty Certificate, the top layer of insulation shall be a minimum 38mm (1 ½”) ARCA approved polyisocyanurate insulation meeting CAN/ULC S-704 Type 2, Class 2.

Changes will be referenced in the ARCA Roofing Application Standards Manual.

## IV. ARCA Insulation Installation Revision

On September 27, 2023 ARCA Warranty Ltd. revised the insulation installation standard, removing the requirement to stagger insulation.

### REVISED Standard:

EPDM 5.3.2  
MB 5.3.2  
TP 5.3.2

Insulation boards shall be tightly butted together and may be installed in a soldier or staggered pattern. Gaps at board joints greater than 6.4mm (1/4") in width shall be filled the full depth of the insulation gap with polyurethane spray foam (SPF) or the same insulation as used in the assembly insulation.

Changes will be referenced in the ARCA Roofing Application Standards Manual.

## V. Premanufactured Sump/Drain Assemblies

On September 27, 2023 ARCA Warranty Ltd. confirmed that prefabricated roof sumps with integrated drain assemblies, available for single ply roof systems, that are not manufactured by ARCA accepted single ply membrane manufacturers would not be permitted in ARCA warranted roof assemblies.

### NEW Standard:

EPDM 6.2.3.6, 10.6.2  
TP 6.2.3.6, 10.6.2

Prefabricated roof sumps with integrated drain assemblies that are not manufactured by ARCA accepted membrane manufacturers are not permitted in ARCA warranted roof assemblies.

Changes will be referenced in the ARCA Roofing Application Standards Manual.