

October 13, 2021

Technical Bulletin TB-2021-06

I. Revised Trade Name – Great White Foam

EPS Molders Inc. has incorporated a new trade name, Great White Foam. ARCA approved expanded polystyrene (EPS) insulation manufactured by EPS Molders Inc. will now be listed under their trade name, Great White Foam. Changes will be referenced in the ARCA Roofing Application Standards Manual and ARCA Accepted Products listings.

II. New ARCA Accepted IKO Thermoplastic Polyolefin (TPO) membranes.

ARCA Warranty Ltd. has approved the following IKO thermoplastic polyolefin (TPO) single ply membranes for use in the ARCA Warranty Certificate program.

ARCA 5 and 10 year Warranty Certificate

IKO Innovi TPO 45 mil
IKO Innovi TPO 60 mil
IKO Innovi TPO 80 mil

ARCA 5, 10 and 15 year Warranty Certificate

IKO Innovi TPO 80 mil

Changes will be referenced in the ARCA Roofing Application Standards Manual and the ARCA Accepted Products Listing.

III. New ARCA Accepted Carlisle Thermoplastic Polyolefin (TPO) membranes.

On September 29th, 2021 ARCA Warranty Ltd. approved the following Carlisle thermoplastic polyolefin (TPO) single ply membranes for use in the ARCA Warranty Certificate program.

ARCA 5 and 10 year Warranty Certificate

Carlisle Fleeceback TPO 100 mil
Carlisle Fleeceback TPO 115 mil
Carlisle Fleeceback TPO 135 mil

ARCA 5, 10 and 15 year Warranty Certificate

Carlisle Fleeceback TPO 135 mil

Changes will be referenced in the ARCA Roofing Application Standards Manual and the ARCA Accepted Products Listing.

IV. Incorporation of Expansion Joints.

On September 29th, 2021 ARCA Warranty Ltd. approved a revision to the ARCA Roofing Application Standards Manual that when a fully adhered membrane is being installed over a structural expansion joint that has been incorporated into the building structure, an approved expansion joint shall be incorporated into the roof assembly. This standard would be incorporated into MB, TP, EPDM and BUR standards.

BUR 2.1.2.1.	MB 2.1.2.1
TP 2.1.2.1	EPDM 2.1.2.1

Old Standard:

The building construction expansion joint is incorporated by the design authority when differential structural movement is anticipated.

New Standard:

The building construction expansion joint is incorporated by the design authority when differential structural movement is anticipated. Fully adhered membranes shall incorporate an ARCA approved expansion joint at these locations.

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

V. Revised Drain Standard for Re-Roofing.

On September 29th, 2021 ARCA Warranty Ltd. approved a revision to the re-roofing drain standards in the ARCA Roofing Application Standards Manual.

MB 10.2.10
TP 10.2.10

Old Standard:

Insert drains and back-flow prevention drains are not acceptable on re-roofing projects.

New Standard:

Flow control drains cannot be introduced on re-roofing projects.

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

VI. New ARCA Accepted Insulation, Coverboard and Membranes.

On September 29th, 2021 ARCA Warranty Ltd. accepted new insulation, coverboard and membranes from new ARCA Manufacturing member Polyglass.

ARCA Accepted Polyisocyanurate Insulation

Polyglass Polytherm polyisocyanurate insulation
Polyglass Polytherm G polyisocyanurate insulation

ARCA Accepted Asphalt Core Boards

Polyglass 4.5mm (3/16") Polyboard W Asphalt Protection Board

ARCA Accepted Modified Bituminous Base Sheet

Polyglass Elastoflex S6 base sheet membrane

ARCA Accepted Modified Bituminous Cap Sheet

Polyglass Elastoflex S6 G HP cap sheet membrane

ARCA Accepted Modified Bituminous Membrane Flashing Base Sheet

Polyglass Elastoflex S6 base sheet membrane
Polyglass Elastoflex S6 22 base sheet membrane
Polyglass Elastoflex SA P self-adhered base membrane flashing

ARCA Accepted Modified Bituminous Membrane Flashing Cap Sheet

Polyglass Elastoflex S6 G HP cap sheet membrane

Changes will be referenced in the ARCA Roofing Application Standards Manual and the ARCA Accepted Products Listing.

VII. Clarification of Underlayment Direction on Architectural Standing Seam Metal Roofs.

On September 29th, 2021 ARCA Warranty Ltd. approved a revision to the Metal Roofing underlayment application standards to allow for the vertical placement of the underlayment on self-adhered and monolithic underlayment only. Asphalt felt and synthetic underlayment will continue to be installed horizontally.

Old Standard – MR 2.8.3.2:

Underlayment membranes shall be applied parallel to the eaves with minimum 75mm (3”) side and 150mm (6”) end laps onto panel support substrate.

New Standard – MR 2.8.3.2:

When using self-adhered or monolithic underlayment membranes, they can be applied either parallel or perpendicular to the eaves. All other underlayment membranes shall be applied parallel to the eaves. Application shall include a minimum 75mm (3”) side and 150mm (6”) end lap onto the panel support substrate.

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

VIII. Expansion of Accepted Metal Roof Materials.

On September 29th, 2021 ARCA Warranty Ltd. approved a revision to the Metal Roofing standards to allow for ARCA Accepted pre-manufactured metal panels to be used in the ARCA Warranty Certificate program.

Old Standard – MR 2.1.2:

Architectural standing seam metal roofing is defined as job site manufactured (JSM), concealed clip fastened and mechanically seamed metal panel roofing system uniformly supported by a separate structural substrate. Structural roof panel system designs spanning structural supports without a continuous substrate for metal panel support are not included in this standard. Other standing seam metal roof types that are not in conformance with these standards may be considered for a five (5) year Innovative Warranty Certificate.

New Standard – MR 2.1.2:

Architectural standing seam metal roofing is defined as either job site manufactured (JSM) or ARCA Accepted Manufactured Metal Panels, concealed clip fastened and mechanically seamed metal panel roofing system uniformly supported by a separate structural substrate. Structural roof panel system designs spanning structural supports without a continuous substrate for metal panel support are not included in this standard. Other standing seam metal roof types that are not in conformance with these standards may be considered for a five (5) year Innovative Warranty Certificate.

Changes will be referenced in the ARCA Roofing Application Standards Manual and the ARCA Accepted Products Listing.