

ARCA Warranty Ltd.

2380 Pegasus Road N.E., Calgary, Alberta T2E 8G8 • Telephone (403) 250-7055 Calgary Exchange
1-800-382-8515 Toll Free (403) 250-1702 Fax

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TECHNICAL BULLETIN

Soprema XPressboard Application Procedure for Torch Adhered Modified Bitumen Membrane Flashing

For Certificate of Assurance issuance, the modified bitumen membrane flashing may be comprised of 12.7mm (1/2") thick Soprema XPressboard formed and fastened over combustible substrates and a torch adhered modified bitumen membrane flashing cap sheet. Soprema's XPressboard is a Basalt mineral fiber insulation with a factory laminated modified bituminous base sheet covering. XPressboard is manufactured in a 900 x 4877mm (3x16 ft.) sheet size and incorporates Soprema's new 70 / 30 self adhering / torch sealed side lap technology.

The following XPressboard application procedure is an alternate membrane flashing application method for use over combustible substrates and is not a replacement for self-adhering membrane flashing base sheet installation as outlined in the ARCA Warranty Ltd. minimum requirements.

Cut the 12.7mm (1/2") thick XPressboard sheets in panel width sections, maximum 900mm (3 ft.) wide, to encapsulate / cover all combustible substrates found at parapets, curbs and vertical junctions.

Prepare panel width sections for application by trimming a groove, to coincide with the parapet's horizontal break lines, in the basalt insulation attached to the back of the laminated membrane. A special tool supplied by Soprema is required to trim the insulation backing away from the membrane at break lines. This process permits the panels to conform tightly to the parapet's profile, when folded.

Gaps, cracks and voids found at inside / outside corners and at the primary membrane base sheet junctions must be covered with fire prevention tape prior to the attachment of the XPressboard panels.

Place a prepared XPressboard panel against the vertical up stand of an ARCA accepted substrate and fasten it along the base in the side laps and at the mid-panel width of each section. XPressboard fastening is completed using 25mm (1") diameter round top nails or with fasteners approved by Soprema. Place the bottom row of nails no higher than 50mm (2") above the surface of the primary membrane base sheet. Additional rows of round top nails spaced at maximum 200mm (8") centres are required to secure the balance of each XPressboard section.

Along break lines, fold the panel over to cover the top of the parapet blocking, bend it down at the exterior face and fasten it to the wood blocking and substrate.

Repeat application process until all combustible substrate is covered with XPressboard. Complete the XPressboard application by sealing and rolling the self-adhering seam over the nailed side laps followed by torching the remaining lap width watertight.

Complete the membrane flashing base sheet application by cutting minimum 200mm (8") wide strips of modified bitumen base sheet to act as the tie-in between the XPressboard and the primary membrane base sheet. Torch adhere the modified bitumen tie-in membrane strips so that they adhere a minimum distance of 100mm (4") onto the surface of the XPressboard membrane and the surface of the primary membrane base sheet.

Torch adhere a modified bitumen membrane flashing cap sheet to cover the XPressboard and primary membrane cap sheet membranes in accordance with the application standards outlined in the Modified Bitumen minimum requirements.

A typical parapet application using XPressboard is illustrated below.

