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Technical Bulletin TB-2018-02

I. New ARCA Standard on Modified Bitumen membrane recovery.

On March 21st, 2018 the ARCA Warranty Ltd. Board of Directors approved an addition to the ARCA Roofing Application Standards Manual to allow membrane recovery of existing conventional insulated modified bitumen roofing assemblies without impacting an ARCA Warranty Certificate.

New Standard:

SBS Modified Bitumen Roofing - MB Section 12: Maintenance and Modifications

MB 12.1. Membrane Recovery

MB 12.1.1. Membrane Recovery Requirements

- 12.1.1.1. An existing conventional insulated modified bitumen roofing assembly with a current five (5) or ten (10) year ARCA Warranty Certificate may be recovered due to weather related damage, trade damage or membrane degranulation without affecting the original ARCA Warranty Certificate.
- 12.1.1.2. The scope of the recovery shall be on self-contained roof areas only. Control joints may be required to create self-contained roof areas. Special attention to drainage provisions may be necessary.
- 12.1.1.3. Prior to any recovery work, a thermal scan of the self-contained roof area shall be performed by a minimum Level 1 certified Thermographer in accordance with ASTM C1153, Standard Practice for Location of Wet Insulation in Roofing Systems Using Infrared Technology.
- 12.1.1.4. Stramit decks and deck in-fills do not qualify for a membrane recovery.
- 12.1.1.5. In some instances, there may be two (2) roof systems one above the other over an existing area. Where two (2) primary membranes are present membrane recovery is not eligible for an ARCA Warranty Certificate.



MB 12.1.2. Membrane Recovery Application

- 12.1.2.1. Prior to membrane recovery, all damaged or deteriorated substrates, insulation and membrane deficiencies shall be replaced or repaired with similar materials.
- 12.1.2.2. The surface of all roof membranes to which membrane recovery is to be applied shall be sufficiently dry and cleaned with a stiff broom and a blower. Power washing is not permitted.
- 12.1.2.3. The existing membrane shall be degranulated within a 150mm (6") radius around all areas of the roof perimeter and penetrations.
- 12.1.2.4. The existing membrane shall be degranulated within a 500mm (20") radius around all drains.
- 12.1.2.5. All granulated surfaces shall be primed with a primer compatible with the membrane recovery material as per manufacturers recommendations.
- 12.1.2.6. Accepted Primers;
 - IKO Mod-Bit Primer
 - Siplast PA-1125 Primer
 - Soprema Elastocol 500
- 12.1.2.7. Install new membrane as per ARCA roofing application standards.
- 12.1.2.8. Install one ply of membrane flashing over existing 2 plies of membrane flashing as per ARCA roofing application standards.
- 12.1.2.9. Base and cap metal flashings may be reused provided they are in good condition, fabricated to the Warranty Certificate standard and fit properly.

MB 12.1.3. Accepted SBS Modified Bitumen Cap Sheets

- 12.1.3.1. Cap sheets shall be composite reinforced membranes only.
- 12.1.3.2. Accepted Cap Sheets;
 - IKO Torchflex TP-HD-Cap
 - Siplast Parafor 30 TG, Siplast Parafor 50 TG
 - Soprema Sopraply 560

This change is now in effect, changes will be referenced in the ARCA Roofing Application Standards Manual.