



ARCA Warranty Ltd.

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Technical Bulletin

Tremco Canada Membranes Accepted

ARCA Warranty Ltd. is pleased to announce that on October 18, 2006 the Board approved Technical Committee recommendations for the acceptance of the following Tremco Canada roofing membrane systems, when applied in the following configurations in accordance with ARCA Warranty Ltd. and Tremco Canada application standards, for inclusion under the five (5) year Low-Slope Certificate of Assurance (C of A) Program.

For specific application requirements for Certificate of Assurance issuance contact ARCA administration, for product information please contact your Tremco Canada representative.

1) Tremco Up-Graded Built-Up Roofing (B.U.R.) Membrane

The ARCA Warranty Ltd. accepted Tremco Canada Up-Graded B.U.R. membrane system shall be comprised of either four (4) plies of accepted No.15 organic felt or inorganic felt adhered in hot bitumen. A three (3) ply membrane flashing comprised of a minimum of two (2) plies of No. 15 organic roofing felt adhered in hot bitumen and an additional ply of TRA elastomeric sheeting adhered in hot THERMastic 100 modified bitumen. A woven reinforcing strip and modified mastic shall cover leading edges of the elastomeric sheeting at membrane level and at the vertical joints in the membrane flashing.

The minimum membrane protection required shall be comprised of a single flood coat application of approximately 3 kg/m² (60 lbs/square) of hot applied THERMastic 100 bitumen and a minimum mass of approximately 20 kg/m² (400 lbs/square) of embedded roofing gravel.

2) Therm 100 Hot Built-Up Roofing Membrane

The Therm 100 hot B.U.R. membrane system shall be comprised of a single ply of Tremco's reinforced composite ply membrane and two (2) additional plies of an ARCA accepted inorganic roofing felt adhered in hot THERMastic 100 modified bitumen. The three (3) ply membrane flashing shall be comprised of a minimum of two (2) plies of No.15 organic roofing felt and an additional ply of TRA elastomeric sheeting adhered in hot THERMastic 100 modified bitumen.

The membrane protection shall be comprised of a minimum single flood coat application of approximately 3 kg/m² (60lbs/square) of hot applied THERMastic 100 modified bitumen and a minimum mass of 20 kg/m² (400 lbs/square) of embedded roofing gravel.

3) Hot TRA / THERMastic Protected Membrane System

The TRA/THERMastic 100 hot applied fully adhered single ply protected membrane design system shall be comprised of a single ply polyester reinforced E.P.D.M. / S.B.R. rubber membrane and membrane flashing adhered and seamed over ARCA Warranty Ltd. approved substrates in a full mopping of hot THERMastic 100 modified bitumen applied at the approximate rate of 3 kg/m² (60lbs/square). Primary membrane and membrane flashing seams shall be covered with a continuous over pour of modified bitumen.

The completed membrane shall be protected with an approved separator sheet, Type 4 extruded polystyrene roof insulation, filter fabric and ballast in accordance with ARCA Warranty Ltd. protected membrane application standards for C of A issuance.

The minimum drainage slope for protected membrane designs is 1:50 (1/4"/ foot), the maximum slope is restricted to 1:6 (2"/ foot).