

May 30, 2012

Duradek Canada Ltd.
8288 129th Street,
Surrey, BC,
Canada, V3W 0A6

RE: QAI Evaluation of Duradek Tiledek

To Whom It May Concern:

Quality Auditing Institute Ltd. (QAI) conducted an evaluation of the Duradek Tiledek PVC Roof and Walking Deck Membrane to the requirements of CAN/CGSB 37.54-95 as referenced in Section 9.26 'Roofing' of Division B of the National Building Code of Canada 2005 and 2010. QAI also conducted an evaluation of the Duradek Tiledek product to the requirements of ICC-ES AC39 (approved February 2010) "Acceptance Criteria for Walking Decks", ICC-ES AC75 (approved July 2010) "Acceptance Criteria for Membrane Roof Covering Systems" and ASTM E108-08 "Standard Test Methods for Fire Tests of Roof Coverings" CAN/ULC-S107-03 "Methods of Fire Tests of Roof Coverings"

Duradek Tiledek is a polyvinyl chloride membrane with a 1.5mm (60mil) nominal thickness and has no textured or stylized top surface. Instead the top surface has an adhered non-woven polyester fabric finish intended to accept fully bonded outdoor tiles. The product is manufactured in standard roll sizes of 72 inches wide by 75 feet long.

The product is intended to be used as a waterproof membrane that is fully adhered to a continuous solid substrate, such as plywood or concrete decks and balconies that are subject to light pedestrian traffic. The membrane is intended to be fully adhered to the substrate with approved Duradek adhesives applied per Duradek published installation instructions. The product is intended to be a substrate for adhesion of a solid tile deck surface.

The Duradek Tiledek product is considered compliant with CAN/CGSB-37.54-95 as a Type 3, Class A membrane. Based on this evaluation it was found that Duradek Tiledek meets the requirements of ICC-ES AC39 (approved February 2010) "Acceptance Criteria for Walking Decks" and ICC-ES AC75 (approved July 2010) "Acceptance Criteria for Membrane Roof Covering Systems" as a roofing membrane system when installed in accordance with the manufacturers installation instructions.

Duradek Tiledek is considered to have a Class A rating (ASTM E108-08, CAN/ULC S107-03) when installed over a non-combustible substrate as described in QAI Listing #B1023-1 and when non-combustible tiles are adhered to the top surface. Adhesion strength of tiles to the top surface of the Duradek Tiledek membrane is outside the scope of this evaluation. For further details please refer to QAI evaluation report T731-4 dated May 30, 2012 or contact QAI at 604-527-8378.

Sincerely,
Quality Auditing Institute Ltd.

 for

Kevin Nam, Project Manager