QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

3980 North Fraser Way
Burnaby, BC V5J 5K5
(604) 527-8378 ph. | (604) 527-8368 fx.
www.qai.org

CLIENT: **Duradek Canada Ltd.**
Attn: Len Viegener
8288 129th Street
Surrey, BC
Canada V3W 0A6

Full Report Available on Request

Evaluation No: T731-8-Rev1	Date: September 8, 2017

Product ID: Duradek Ultra polyvinyl chloride (PVC) walking deck membrane.

For a more detailed description please see page 2.

AUTHORIZATION: Authorized by Mr. Len Viegener, dated April 19, 2017.

EVALUATION REQUESTED: Engineering services/evaluation of Duradek membrane products to performance properties from the following criteria:

- CAN/ULC-S107-03 "Standard Method of Fire Tests of Roof Coverings" (CAN/ULC-S107).
- ASTM E108-11 "Standard Test Methods for Fire Tests of Roof Coverings" (ASTM E108).

CONCLUSIONS: It is the opinion of QAI that the Duradek Ultra membrane, if tested using identical deck construction as described in the table below for the ASTM E108-11 test, would obtain a Class C rating when tested to CAN/ULC-S107-10.

Deck Slope:	1/4:12 Maximum.
Deck:	15 mm (19/32") thick AC exterior grade plywood, fastened with #10 exterior wood screws to nominal 2" x 4" Douglas fir lumber frame. Fasteners spaced 152 mm (6") OC along edges and 203 mm (8") OC along intermediate supports. All deck joints are covered evenly with Mapei PlaniPatch floor patch.
Membrane:	Duradek Ultra (60 mils) bonded to the test deck with Duradek D811-23-S Premium Decking Adhesive. The adhesive is applied to both the roofing membrane and the test deck.

Signed for and on behalf of QAI Laboratories Ltd.

Anthony Hicks
Project Manager

Signed for and on behalf of QAI Laboratories Ltd.

Matt Lansdowne
Director of Engineering