

CLIENT: Duradek
8288 129th Street
Surrey, BC V3W 0A6

**Report Excerpt
with Comments**

Test Report No: RJ5052F-1	Date: November 16, 2016
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SUBJECT: Fire Classification Testing on Duradek Ultra Walking Deck Membrane.

SAMPLING DETAIL: The samples were randomly selected by a QAI representative at the clients manufacturing facility located at 8288 129th Street Surrey, BC V3W 0A6, on October 05, 2016. QAI documented the materials and manufacturing procedures in accordance with ICC-ES AC85, Section 3.1.

SAMPLE ID: Duradek Ultra Walking Deck Membrane.

DATE OF RECEIPT: Samples were received at QAI Laboratories on October 11, 2016

TESTING PERIOD: October 24, 2016 – November 15, 2016.

AUTHORIZATION: Testing authorized by Len Viegner under QAI Test Proposal # 16MM09214 dated October 27, 2016.


TEST REQUESTED: Conduct certification on Class C series of Intermittent Flame, Spread of Flame, and Burning Brand roof fire tests on the customer supplied material in accordance with the methods and procedures outlined in ASTM Test Method E108-11, "Standard Test Methods for Fire Tests of Roof Coverings"(E108).

TEST RESULTS: Detailed test results ~~are provided on subsequent pages of this report.~~ *

CONCLUSION: The Duradek Ultra Walking Deck Membrane meets the Class C requirements for Intermittent Flame, Spread of Flame, and Burning Brand when tested in accordance with ASTM E108, "Standard Test Methods for Fire Tests of Roof Coverings". This evaluation is applicable to the use of this material over combustible substrates at a slope not to exceed 2%.

Prepared By: *** Test details
Available on Request**

**Signed for and on behalf of
QAI Laboratories**


Victor Peinado
Laboratory Technician
Fire Technology Dept.


Greg Banasky
Senior Technician

FIRE CLASSIFICATION TEST PER ASTM E 108-11

Storage of Assembled Test Decks

All test deck assemblies were stored indoors at temperatures not lower than 60°F (16°C) nor higher than 90°F (32°C) for the period of time necessary to cure the assembly components prior to testing. The test decks were stored in such a manner to assure that each deck was surrounded by free circulating air.

Roof System and Test Deck Assembly Construction Details

The test decks were constructed by QAI personnel following the construction details outlined in ASTM E108-11 specification standard for deck construction.

Lumber: Nominal 2" x 4" Top Choice Kiln Dried Douglas Fir lumber having a moisture content between 8 and 12%.

Deck: 19/32" AC Exterior grade plywood, moisture content not greater than 8% was fastened with #10 exterior wood screws to the test deck framing. The fasteners were spaced 6" oc along edges and 8" oc along intermediate support.

Note: All deck joints were covered evenly with (Mapei PlaniPatch) floor patch.

Roof Covering: The Duradek Ultra Walking Deck Membrane was fastened to the test deck with D811-23-S Premium Decking Adhesive. The adhesive was applied to both the roofing membrane and the test deck, following the instructions outlined in Duradek D811-23-S application method and was then cured for 7 days.