

## DURADEK ULTRA MEETS NORTH AMERICAN BUILDING CODE STANDARDS as a Walkable Roof Deck Membrane

### **CAN/CGSB-37.54-95 POLYVINYL CHLORIDE ROOFING AND WATERPROOFING MEMBRANE**

A material standard which provides a basis for evaluating flexible, polyvinyl chloride (PVC) membranes for use in roofing and waterproofing.

The International Codes require Thermoplastic single-ply membrane roof coverings to comply with either **ASTM D 4434** or **CAN/CGSB 34.54-95**

The **CAN/CGSB-37.54-95** standard also provides a basis for evaluating PVC membranes used on decking subject to pedestrian traffic, but does not address additional criteria such as skid resistance, abrasion resistance and resistance to puncture from sustained loads.

#### **ICC Evaluation Service**

#### **Canadian Construction Material Centre (CCMC)**

Building Code organizations such as ICC Evaluation Service in the United States and CCMC in Canada provide a comprehensive product evaluation service for alternate materials and systems. The additional test procedures required by their acceptance criteria extend the scope of the Building Code(s) from roofing membranes, in the case of Duradek Ultra, to that of walkable roofing membrane, which can accept pedestrian traffic.



#### **CCMC Evaluation Report 13134-R**

CCMC has determined that Duradek Ultra is an acceptable PVC Sheet-Applied Waterproof Decking Membrane in compliance with the National Building Code of Canada (NBC) 2010.

CCMC's acceptance criteria requires walkable PVC decking membranes be tested for slip resistance.



#### **ICC-ES Evaluation Service Report ESR-2151**

ICC-ES has determined that Duradek Ultra complies with the 2015, 2012, & 2009 International Building and Residential I-Codes. ICC-ES deemed Duradek Ultra a walking deck and classified roof covering in accordance with:

- ICC-ES Acceptance Criteria for Walking Decks (AC39)
- ICC-ES Acceptance Criteria for Membrane Roof Coverings (AC75)
- CAN/CGSB-37.54-95 Polyvinyl Chloride Roofing and Waterproofing Membrane materials standard
- ASTM E108 "Methods of Fire Tests of Roof Coverings" classification
- ANSI/FM 4474 Appendix B simulated wind uplift requirements
- ANSI/SPRI ES-1 metal edge securement requirements



#### **Florida Product Approval #FL12407-R1**

The Florida Building Commission approved Duradek Ultra roof and walking deck membrane as a walking deck and classified roof covering system that meets the 2017 Florida Building Code requirements for use outside the HVHZ (excludes Dade and Broward counties).



#### **Texas Department of Insurance Evaluation ID RC-477**

The Texas Department of Insurance has determined that Duradek meets compliance with wind loads specified in the IRC and IBC.



#### **Quality Auditing Institute Ltd. (QAI) Listing No. B1023-2**

QAI is an independent testing, inspection and certification agency serving the Building Industry. QAI maintains a third party monitored quality assurance program to verify continued compliance of Duradek Ultra as required by both the Florida Building Commission and ICC-ES Evaluation Services.