



THE PLAZADEK SYSTEM WITH DURADEK™ ULTRA PVC MEMBRANE

The Plazadek System is a reliable waterproofing solution for floating deck applications for use with pavers, duckboards or other wear surfaces. Our system is ideal for residential applications where roof height or weight is a consideration.

The Plazadek System employs the superior waterproofing performance of the *Duradek Ultra* membrane which is professionally integrated into the building envelope to assist in managing water away from the structure, thus protecting the building and extending its life.

Since 1974 over 150 million square feet of Duradek outdoor vinyl flooring has been successfully waterproofing sun decks, balconies, roof decks and more.



The Plazadek System from Duradek™ - Duradek™ Ultra Product Features

- 60 mil thickness
- 10 year waterproofing warranty
- Useable immediately after installation (no curing time)
- ICC listed as a Thermoplastic Roofing Membrane (AC 75) and a Pedestrian Traffic Coating (AC 39)
- Class A & C Fire Rating
- Expands and contracts with substrate without cracking (tested to $-40 \pm 1^{\circ}\text{C}$)
- Installed only by authorized and trained contractors using sound roofing details

PHYSICAL PROPERTIES

- Calendered polyvinyl chloride (PVC) film laminated to a woven, heat-set polyester fabric
- Surface is factory printed and top-coated with a PVC/acrylic finish
- Weight: 55 oz. per sq. yd. (1864 g/m²)
- Thickness: nominally 0.060 inch [60 mils (1.5 mm)]
- Width: 72 inch (182.88 cm)
- Length: master rolls 25 yards (22.86 m) /or cut to order

The Waterproofing Component For Floating Deck Systems

The Plazadek system can be used with pedestals, drainage mats or with the wear surface applied directly to the Duradek membrane (light weight wear surfaces only - [see Application Note](#)) in applications like:

- Concrete Pavers
- Stamped Concrete
- Wood/Synthetic Duckboards
- Exterior tiles
- Almost any walkable surface that requires waterproofing underneath.

TESTS & EVALUATIONS

Code Compliance	ICC-ES No. 2151	Thermal and Moisture Protection Evaluation Report Compliance with 2009 and 2012 IBC & IRC - Section 07 18 13 Pedestrian Traffic Coatings - Section 07 54 00 Thermoplastic Roofing Membrane - Section 07 54 19 Polyvinyl Chloride Roofing
	FBC Report No. FL12407	Compliance with 2014 Florida Building Code
	TDI Report No. RC-477	Meets Texas Department of Insurance Requirements
	CGSB QAI Report No. RJ0449P-1R1	Compliance with CAN/CGSB 37.54-95 - Polyvinyl Chloride Roofing & Waterproofing Membrane Type 3, Class B
	CCMC Report No. 13134-R	Compliance with 2010 NBC - Traffic Coating and Walkable Roofing Membrane over Habitable or Rated Space
Independent Quality Control	QAI Listing No. B1023-2	Quality Auditing Institute - an accredited third party product certification body to ensure consistent product quality
Fire Classification	QAI Engineering Evaluation RJ0720F-1 & RJ5052F-1	ASTM E108-08 Fire test of roof covering methods. - Class A and Class C fire rating
	QAI Engineering Evaluation T731-2 & T731-8	CAN/ULC S107-3 Methods of fire tests of roof coverings. - Class A and Class C fire rating
Wind Uplift	QAI Test Report No. RJ0913P-1R2	Passed ANSI/FM 4474 (2004) - to evaluate the wind uplift resistance of roof assemblies
Edge Flashing Pulloff Resistance	Farabaugh Test Report No. T128-11	Passed ANSI/SPRI ES-1 wind design standard - for edge systems used with low slope roof systems

For Test Report details, Detail Drawings or MSDS please visit www.duradek.com/architectural-resources/vinyl-decking-resources

Application Note

The **Plazadek System** with Duradek Ultra Membranes requires a separation layer or use of pedestals to support heavy wear surfaces. Heavy wear surfaces, like concrete pavers, interlocking stone or poured concrete are not to be placed directly on the Duradek Ultra Membrane due to friction and/or risk of puncture.

** Failure to include a separation layer with stone or concrete assemblies will void the warranty.*

For More Information on Suppliers of Pedestals and Draining Mats, See

[Techtalk #173 - FAQ on the use of Duradek with Pedestals and Protection Layers \(.pdf\)](#)

