

# VaporPro™ Installation Guide

## PRODUCT DESCRIPTION

VaporPro™ is a high-performance polyethylene film designed for use as a vapor retarder under concrete slabs. This film is manufactured in the United States of America using high quality prime, virgin resins. VaporPro is designed as a low permeance, high strength, and high puncture resistant film that meets and exceeds the ASTM E1745 requirements for a Class A vapor retarder.

## INSTALLATION INSTRUCTIONS

VaporPro™ vapor barrier is to be installed by following the guidelines of ASTM E1643.

### Section 6 – Placement

**ASTM E1643, Section 6.1** – Level and compact base material.

**ASTM E1643, Section 6.2** – Install vapor retarder material with the longest dimension parallel with the direction of concrete pour.

**ASTM E1643, Section 6.3** – Face laps away from the expected direction of the concrete pour whenever possible.

**ASTM E1643, Section 6.4** – Extend vapor retarder over footings and seal to foundation wall, grade beam, or slab at an elevation consistent with the top of the slab or terminate at impediments such as water stops or dowels. Seal around penetrations such as utilities and columns in order to create a monolithic membrane between the surface of the slab and moisture sources below the slab as well as at the slab perimeter.

**ASTM E1643, Section 6.5** – Lap joints minimum 6 in. (150 mm), or as instructed by the manufacturer, and seal laps in accordance with the manufacturer's recommendations.\*

**ASTM E1643, Section 6.6** – Extend vapor retarder over the top of pile caps and grade beams to a distance acceptable to the structural engineer and terminate as recommended by the manufacturer.



### Section 8 – Inspection and Repair

**ASTM E1643, Section 8.1** – Inspect and mark all areas of damage and insufficient installation of the vapor retarder sufficiently in advance of concrete placement such that deficiencies may be corrected before concrete is placed.

**ASTM E1643, Section 8.2** – Repair damaged areas prior to concrete placement with vapor retarder material lapped and sealed minimum of 6 in. (150 mm) beyond damaged area or as instructed by manufacturer.

*These instructions are to be used as guidelines; therefore, it is important to always consult the project team with regards to varying structural designs.*

## SALES & TECHNICAL SERVICES

Sales and technical information can be obtained by contacting Revolution.

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