



Platon

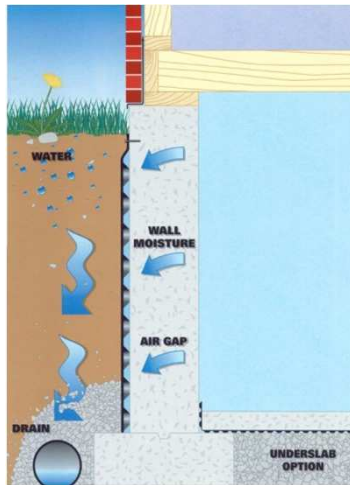
Foundation Membrane Specification Sheet

Introduction

Platon is a uniquely dimpled HDPE membrane intended to provide waterproofing or dampproofing for foundations to a depth of 16 feet. Platon provides exterior water control, interior moisture control and drainage layer, if required. Platon is also an excellent "protection layer" for elastomeric waterproofing membranes.

Operation

Platon's dimples rest on the foundation wall and the membrane creates a waterproof barrier that holds wet soil ¼" away from the wall. Concrete moisture condenses on the inside of the Platon membrane and falls to the footing drain for removal.



Benefits

- Double leakage protection
- Easily bridges ¼" cracks
- Double dimple design provides a smooth, low drag soil side surface
- Controls interior and exterior moisture
- Environmentally friendly (HDPE plastic)
- All weather installation on new or existing foundations
- No other treatment to the wall surface is required
- Patented SpeedClip fastening system
- Manufacturers 30-Year limited product warranty

Installation Procedures

Platon wraps horizontally around the foundation and hangs like a curtain. It is held in place along the top of the membrane with Platon fasteners. The flat tab at the top is sealed to the wall to prevent dirt from filling the air gap and clogging the drainage path. Vertical seams are overlapped by 20" to ensure that water entering the seam flows to the footing drain before it reaches the wall. Detailed installation instructions can be found on the reverse side of the roll packaging or on our website at www.armtec.com.

Platon Components

Dimensions	Rolls are 65'6" long (20M) 10', 8', 7'3", 6'9.5", 6'6", 6', 5'5", and 44.5" x 50'
Sheet Thickness	24-mil in flat sections 21-mil in the dimples
Dimple Height	1/4" (6.0mm)
Platon SpeedClip	- fastener engages 4 dimples, presses smooth tab against the wall
Platon Moulding	- used to seal open edges of the membrane to prevent soil ingress
Platon Plugs	- fit into the dimple to provide pull through resistance for concrete nails (or screws on ICF's)

Characteristics

Working Temperature	-58°F to +176°F <i>-50°C to +80°C</i>
Softening Temperature	+257°F <i>+125°C</i>
Thermal Resistance	R .68
Water Vapor Permeability Per ASTM E96	0.05 perms <i>3ng/Pa.s.m²</i>
Air Volume/dimple side	1 gal/yd ² <i>4.0l/m²</i>
UV Stabilization	Minimum 2% carbon black content
Toxicity	None
Recycled plastic content	± 85%

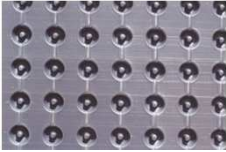
General

Platon Foundation Protector has been in use in North America since 1991 and Norway since 1970 with virtually zero Platon related leaks reported. Platon can be used on all types of new or existing foundations - poured concrete, parged block, ICF's, pressure treated wood and stone without the need for any other treatment to the wall surface. It is imperative, as with all foundation waterproofing systems, that foundation drainage tile is in place and functioning properly to ensure that water and moisture drained by Platon can be removed.

Approvals

Canada - CCMC 12266R, CCMC 12878R, BMEC 91-6-154
USA - ICC-ES Report ESR-2767 (Waterproofing IRC)

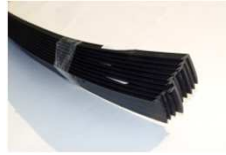
Platon Components



Platon Membrane



Platon SpeedClips



Platon Moulding



Platon Plugs

Platon is ideal for



Commercial and Residential Use



All types of foundations - New or Existing



Permanent underslab Radon/moisture barrier, also Interior water control



Platon makes floors over concrete comfortable, warm, healthy and dry