



Platon® Flooring Underlayment Specification Sheet

Platon® is a uniquely dimpled HDPE membrane intended to protect all types of flooring from the effects of damp concrete, while Platon's air gap allows the concrete to breathe and provides a thermal break from the slab.

Benefits

Platon provides a continuous damp proof barrier between the slab and flooring material.

- Platon is unaffected by high alkaline concrete that breaks down conventional polyethylene barriers.
- The thermal break provided by Platon's air gap results in:
 - A:** Warmer floors in winter
 - B:** Reduced condensation in humid environments (and resultant mold, mildew and musty odors)



Laminate flooring may be installed directly over Platon as a "floating" floor.

Installation Procedures

Platon is installed in strips, dimples down, over the concrete slab. The smooth tab on the roll overlaps and is sealed to the adjacent strip. An OSB load spreading sheet is then placed over the Platon and fastened to the concrete where there is vertical movement. Platon works with just about any covering – carpet, laminate, hardwood or vinyl. Detailed installation instructions can be found on the reverse side of the roll packaging or on our website at armtec.com.

Technical Data

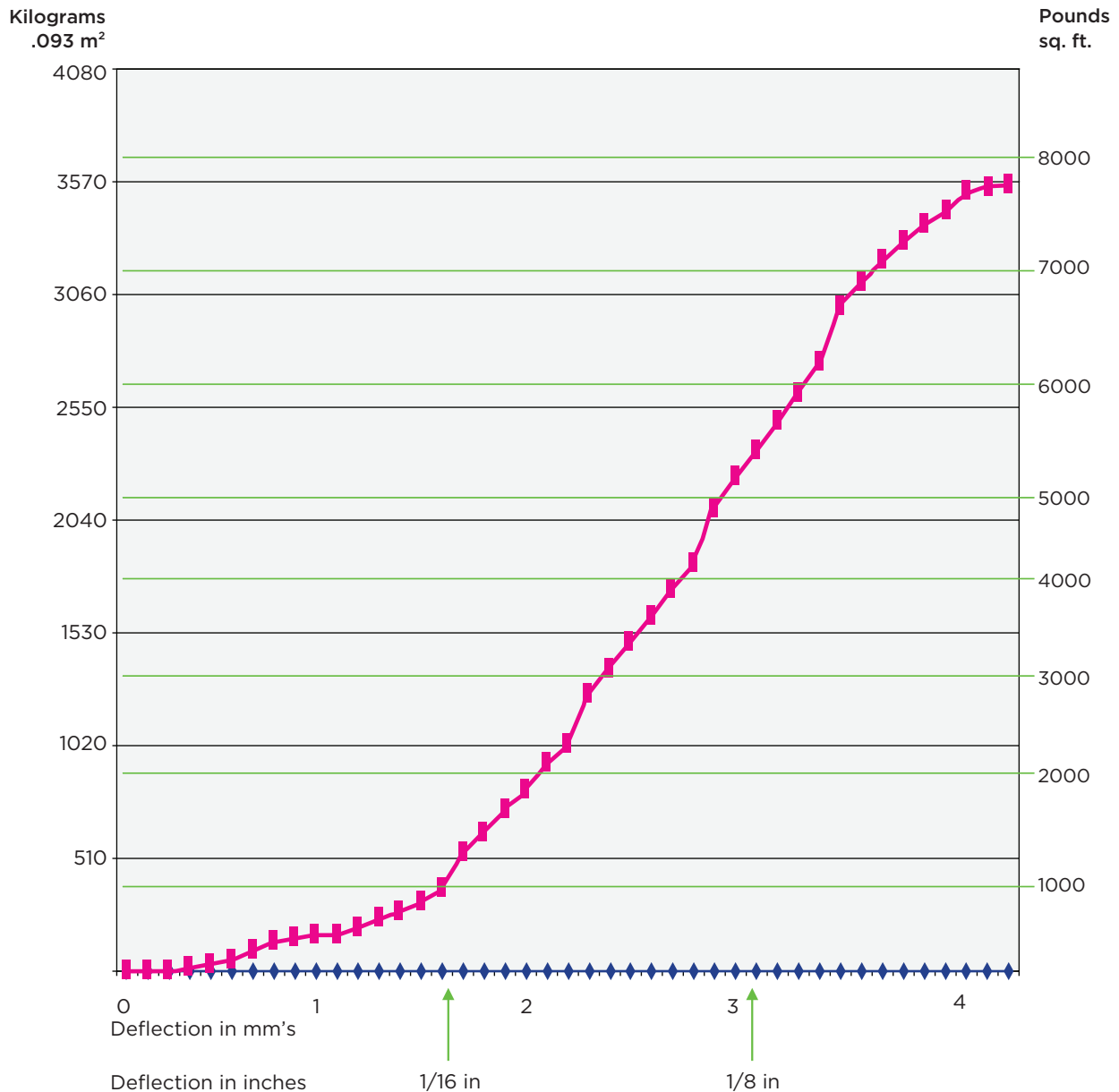
Membrane Length	65'6" (20m)
Widths	A10', 8', 7'3", 6'9.5", 6'6", 6', 5'5" and 44.5" x 50'
Sheet Thickness	24-mil in flat sections 21-mil in the dimples
Dimple Thickness	1/4" (6.0mm)
Compressive strength (75% deflection)	7,800 lbs/sq. ft. 376 kN/m ²
Working Temperature	-58°F to +176°F (-50°C to +80°C)
Softening Temperature	+257°F (+125°C)
Thermal Resistance	R .68 (Platon only)
Water Vapor Permeability Per ASTM E96	0.05 perms 3hg/Pa.s.m ²
Air Volume/dimple side	1 gal/yd ² 4.0L/m ²
UV Stabilization	Minimum 2% carbon black content
Toxicity	None (Platon is chemically inert and 100% environmentally friendly)
Life Expectancy	Greater than 30 years. Average floor loading of 80 lb/sq ft at temperature less than 102°F (39°C), less than 1/8" (3mm) deflection



Platon Compression Test

Report #12009

12" x 12" Platon sample - Full surface load



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armtec.com