



Plantex[®] RootProtector

The most efficient water-permeable root barrier in the market





DuPont™ Plantex® RootProtector is a water-permeable root barrier, ideal for horizontal installations such as cycle tracks and forest trails. Plantex® RootProtector was thoroughly tested in accordance with CEN/TS14416, as well as with plants developing more aggressive roots such as pyracantha. Thanks to its unique manufacturing technology, Plantex® RootProtector delivers a high resistance to root penetration and exceeds the alternative perforated or needle punched solutions that are available today. The water permeability of Plantex® RootProtector ensures a free flow of water in the soil avoiding hydrostatic pressure issues & poor load resistance in wet areas. In infrastructure bases, an appropriate drainage will help to maintain a long-term bearing capacity, for an increased lifespan of the construction. Plantex® RootProtector is available in large dimension rolls to cover extensive areas with fewer seams and faster installation. It is also an easy to shape solution, as the root barrier will fit perfectly to the shape of excavated trenches and ditches.

Further applications:

- Depending on national regulations, it can also be used in Green Roof applications.
- To avoid the spreading of root systems, Plantex® RootProtector can also be used in specific vertical applications, such as in combination with Plantex® Platinum to control invasive and aggressive weeds. The application depends on the specificities of the job site.

Dimensions

Plantex®	1 x 100 m	2 x 100 m
RootProtector	4 x 100 m	5.2 x 100 m



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Features

- Water permeable
- Unique technology
- Proven superior root resistance to alternative available solutions
- Easy to install

Properties	Test method	Unit	Mean Value
Product Description			
Basis weight	EN ISO 9864	g/m ²	260
Thickness under 2 kN/m ²	EN ISO 9863-1	mm	0.6
Hydraulic characteristics			
Water permeability VI _{H50}	EN ISO 11058	mm/s	8
Mechanical characteristics			
Tensile strength	EN ISO 10319	kN/m	20
Elongation at break	EN ISO 10319	%	55
Tear resistance	ASTM D4533	N	300
Static puncture resistance	EN ISO 12236	N	2600
Dynamic puncture	EN ISO 13433	mm	20
Opening size O _{90W}	EN ISO 12956	µm	50

Note: The values correspond to average results obtained in our laboratories and external institutes and are indicative. This information may be subject to revision as new knowledge and experience become available.

- Avoid any contact of the product with any kind of pesticides, especially herbicides.
- Visit www.plantexpro.dupont.com for specific installation instructions for Plantex® RootProtector.

The product information available here corresponds to our current knowledge and experience on the subject. It is offered solely as information and to provide possible suggestions for your own experimentation to determine for yourself the suitability of our products for your particular purposes and for any specific application of our products. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions DuPont de Nemours has no obligation relative to results and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.