

Product bidding proposal

Plantex® landscape fabric solutions

The following text proposals cover the DuPont™ Plantex® landscape fabric range, following the latest technical standard.



Weed control solutions	Root control solutions	Surface stabilisation solutions
Plantex® Premium and Plantex® Pro	Plantex® RootBarrier	Plantex® Geoproma®
Plantex® Gold	Plantex® RootProtector	Plantex® GroundGrid®
Plantex® Cocomat		
Plantex® Platinum		
Plantex® Platinum Solar		

Manufacturer instructions for installation are available at:




www.plantexpro.dupont.com

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Product recommended by application

	Basis weight (g/m ²)	Path	Driveway	Patio	Buried linear networks	Parking lot	Pond surroundings	Paved area	Drainage system	Wall drainage	Park	Timber decking	Slopes	Hedges	Turf area	Solar plant area
 Plantex® Premium & Pro	68/90	✓		✓				✓			✓	✓		✓	✓	
Plantex® Gold	125	✓	✓	✓		✓	✓	✓			✓		✓	✓		
Plantex® Platinum	240										✓		✓	✓	✓	
Plantex® Platinum Solar	240															✓
Plantex® Cocomat	540										✓		✓	✓		
 Plantex® RootBarrier	325	✓		✓	✓	✓	✓	✓			✓			✓	✓	
Plantex® RootProtector	260	✓	✓	✓	✓	✓	✓	✓			✓			✓	✓	
 Plantex® Geoproma®	90	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓				
Plantex® GroundGrid®	470	✓	✓	✓		✓	✓		✓		✓					

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Plantex® Premium and Plantex® Pro

Installation of weed control fabric: m²

Supply of a weed control fabric, installation according to manufacturer instructions, covered with a layer of 5cm mulch or gravel.

Properties	Test method	Unit	Mean value	
			Plantex® Premium	Plantex® Pro
Product Description				
Basis weight	EN ISO 9864	g/m ²	68	90
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0.35	0.39
Hydraulic characteristics				
Water permeability V _{H50}	EN ISO 11058	mm/s	180	100
Mechanical characteristics				
Tensile strength	EN ISO 10319	kN/m	3.4	5
Elongation at break	EN ISO 10319	%	35	40
Tear resistance	ASTM D4533	N	160	220
Static puncture resistance	EN ISO 12236	N	500	750
Dynamic puncture	EN ISO 13433	mm	50	45
Opening size O _{90W}	EN ISO 12956	µm	225	175

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.

Durability

No effect when tested according to:

- EN ISO 13438 (Oxydation resistance)
- EN 14030 (Chemical resistance)
- EN 12225 (Microbiological resistance)

Product dimensions

Plantex® Premium	1 x 50 m	2 x 50 m	
	1 x 100 m	2 x 100 m	4 x 100 m
Plantex® Pro	1 x 50 m	2 x 50 m	

Manufacturer instructions for installation are available at:

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Plantex® Gold

Installation of weed control fabric: m^2

Supply of a weed control fabric, installation according to manufacturer instructions, covered with a layer of 5cm mulch or gravel *or without top cover*.

Properties	Test method	Unit	Mean value
Product Description			
Basis weight	EN ISO 9864	g/m ²	125
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0.45
Hydraulic characteristics			
Water permeability $V_{I_{H50}}$	EN ISO 11058	mm/s	60
Mechanical characteristics			
Tensile strength	EN ISO 10319	kN/m	7.8
Elongation at break	EN ISO 10319	%	60
Tear resistance	ASTM D4533	N	300
Static puncture resistance	EN ISO 12236	N	1050
Dynamic puncture	EN ISO 13433	mm	27
Opening size O_{90W}	EN ISO 12956	μm	125

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.

Durability

No effect when tested according to:

- EN ISO 13438 (Oxydation resistance)
- EN 12225 (Microbiological resistance)

Product dimensions

Plantex® Gold	1 x 100 m	2 x 100 m	4 x 100 m	5.2 x 100 m
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Plantex® Cocomat

Installation of erosion and weed control fabric: m²

Supply of erosion and weed control fabric, installation according to manufacturer instructions.

Properties	Test method	Unit	Mean value
Product Description			
Basis weight	EN ISO 9864	g/m ²	540
Thickness under 2kN/m ²	EN ISO 9863-1	mm	6
Hydraulic characteristics			
Water permeability VI _{H50}	EN ISO 11058	mm/s	100*
Mechanical characteristics			
Tensile strength	EN ISO 10319	kN/m	5.0
Elongation at break	EN ISO 10319	%	40
Tear resistance	ASTM D4533	N	220
Air permeability	ASTM D737	m ³ /m ² /min	96

*This value refers to the supporting nonwovens layer of 90g/m²

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.

Product dimensions		
Plantex® Cocomat	1.2 x 22.5 m	2.4 x 22.5 m

Manufacturer instructions for installation are available at:

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Weed control

Plantex® Platinum

Installation of weed control fabric: m^2

Supply of a weed control fabric, installation according to manufacturer instructions.

Properties	Test method	Unit	Mean value
Product Description			
Basis weight	EN ISO 9864	g/m ²	240
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0.64
Hydraulic characteristics			
Water permeability VI _{H50}	EN ISO 11058	mm/s	20
Mechanical characteristics			
Tensile strength	EN ISO 10319	kN/m	18
Elongation at break	EN ISO 10319	%	60
Tear resistance	ASTM D4533	N	550
Opening size O _{90W}	EN ISO 12956	µm	60

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.

Durability

No effect when tested according to:

- EN ISO 13438 (Oxydation resistance)
- EN 14030 (Chemical resistance)
- EN 12225 (Microbiological resistance)

Product dimensions

Plantex® Platinum	2.5 x 50 m	5 x 50 m
	2.5 x 100 m	5 x 100 m

Manufacturer instructions for installation are available at:

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Weed control

Plantex® Platinum Solar

Installation of weed control fabric: m^2

Supply of a weed control fabric, installation according to manufacturer instructions.

Properties	Test method	Unit	Mean value
Product Description			
Basis weight	EN ISO 9864	g/m ²	240
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0.64
Hydraulic characteristics			
Water permeability VI _{H50}	EN ISO 11058	mm/s	20
Mechanical characteristics			
Tensile strength	EN ISO 10319	kN/m	18
Elongation at break	EN ISO 10319	%	60
Tear resistance	ASTM D4533	N	550
Opening size O _{90W}	EN ISO 12956	µm	60

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.

Durability

No effect when tested according to:

- EN ISO 13438 (Oxydation resistance)
- EN 12225 (Microbiological resistance)

Product dimensions

Plantex® Platinum Solar	2.5 x 50 m	5 x 50 m
	2.5 x 100 m	5 x 100 m

Manufacturer instructions for installation are available at:

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Root control

Plantex® RootBarrier

Installation of root control fabric: m^2

Supply of a root control fabric, installation according to manufacturer instructions.

Properties	Test method	Unit	Mean value
Product Description			
Basis weight	EN ISO 9864	g/m ²	325
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0.8
Mechanical characteristics			
Tensile strength	EN ISO 10319	kN/m	22
Elongation at break	EN ISO 10319	%	50
Tear resistance	ASTM D4533	N	600
Static puncture resistance	EN ISO 12236	N	3500
Dynamic puncture	EN ISO 13433	mm	12
Resistant against roots according to CEN/TS 14416			

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.

Product dimensions				
Plantex® RootBarrier	0.5 x 30 m	0.7 x 30 m	1 x 30 m	1.4 x 30 m
	2 x 100 m			

Manufacturer instructions for installation are available at:

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Root control

Plantex® RootProtector

Installation of root control fabric: m^2

Supply of a root control fabric, installation according to manufacturer instructions.

Properties	Test method	Unit	Mean value
Product Description			
Basis weight	EN ISO 9864	g/m ²	260
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0.6
Hydraulic characteristics			
Water permeability V _{IH50}	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.

Durability

No effect when tested according to:

- EN ISO 13438 (Oxydation resistance)
- EN 14030 (Chemical resistance)
- EN 12225 (Microbiological resistance)

Resistant against roots according to CEN/TS 14416

Product dimensions

Plantex® RootProtector	1 x 100 m	2 x 100 m	4 x 100 m	5.2 x 100 m
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Manufacturer instructions for installation are available at:
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Surface stabilisation

Plantex® Geoproma®

Installation of geotextile fabric: m^2

Supply of a geotextile fabric, installation according to manufacturer instructions.

Properties	Test method	Unit	Mean value
Product Description			
Basis weight	EN ISO 9864	g/m ²	90
Thickness under 2kN/m ²	EN ISO 9863-1	mm	5.0
Hydraulic characteristics			
Water permeability $V_{I_{H50}}$	EN ISO 11058	mm/s	100
Mechanical characteristics			
Tensile strength at 5% elongation	EN ISO 10319	kN/m	2.6
Elongation at break	EN ISO 10319	%	40
Energy absorption	EN ISO 10319	kJ/m ²	1.8
Static puncture resistance	EN ISO 12236	N	750
Dynamic puncture	EN ISO 13433	mm	45
Opening size O_{90W}	EN ISO 12956	µm	175

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.

Durability

No effect when tested according to:

- EN ISO 13438 (Oxydation resistance)
- EN 14030 (Chemical resistance)
- EN 12225 (Microbiological resistance)

Product dimensions

	0.5 x 50 m	
Plantex® Geoproma®	1 x 25 m	2 x 25 m
	1 x 80 m	

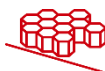
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Surface stabilisation

Plantex® GroundGrid®

Installation of geotextile fabric: m²

Supply of a geotextile fabric, installation according to manufacturer instructions.

Properties	Test method	Unit	Mean value
Product Description			
Diameter of the cells		mm	55
Basis weight	EN ISO 9864	g/m ²	190
Thickness under 2kN/m ²	EN ISO 9863-1	mm	0.54
Hydraulic characteristics			
Water permeability VI _{H50}	EN ISO 11058	mm/s	35
Mechanical characteristics			
Elongation at break	EN ISO 10319	%	55
Tensile strength	EN ISO 10319	kN/m	13
Opening size O _{90W}	EN ISO 12956	µm	80

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.

Durability

No effect when tested according to:

- EN ISO 13438 (Oxydation resistance)
- EN 14030 (Chemical resistance)
- EN 12225 (Microbiological resistance)

Product dimensions

Plantex® GroundGrid®	55 x 50 m	1.25 x 8 m
For larger projects, other sizes on request.		

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