



**DUPONT™ PLANTEX® LANDSCAPE SOLUTIONS**  
**Guidebook**

*[www.plantexprou.dupont.com](http://www.plantexprou.dupont.com)*





## APPLICATION REFERENCE TABLE

Product category	Product brand	Function						Residential / Non-residential															
		Weed control	Root control	Soil erosion	Stabilisation	Filtration	Plant protection	Path	Driveway	Patio	Buried linear networks	Parking lot	Pond surroundings	Paved area	Drainage system	Wall drainage	Park	Timber decking	Slopes	Hedges	Turf area	Fruit and vegetable growing	
Weed control solution	DuPont™ Plantex® Premium & Pro	■					■																
	DuPont™ Plantex® Gold	■		■			■	■	■			■	■	■									■
	DuPont™ Plantex® Platinum	■		■													■						
	DuPont™ Plantex® Cocomat	■		■			■										■						■
Root control solution	DuPont™ Plantex® RootBarrier		■					■		■											■	■	■
	DuPont™ Plantex® RootProtector		■					■	■	■											■	■	■
Surface stabilisation solution	DuPont™ Plantex® Geoproma®				■	■		■	■	■				■	■	■	■						
	DuPont™ Plantex® GroundGrid®			■	■			■	■	■				■	■	■	■						

■ = recommended





**Five reasons to make DuPont™ Plantex® your preferred choice:**

- Helps to reduce the use of chemicals in landscaping
- Highly efficient weed and root resistance due to thermal bonding product technology that results into a high resistance against deformation
- Maintains its performance over long life time
- No risk of any substance release from the material
- Quick and easy installation: can be cut to required dimensions by scissors or cutters without risk of fibre release from material over time







## PRODUCT REFERENCE TABLE

Product	Product description	Basis weight (g/sqm)	Unit dimension (m)
<b>Weed control</b>			
<b>DuPont™ Plantex® Premium</b>	Premium weed control. An effective barrier to weeds. Allows plants to grow well. Little maintenance. Permeable to water and air.	68	1 x 50
		68	2 x 50
		68	1 x 100
		68	2 x 100
		68	4 x 100
<b>DuPont™ Plantex® Pro</b>	Efficient, long lasting protection. High porosity.	90	1 x 50
		90	2 x 50
<b>DuPont™ Plantex® Gold</b>	Bi-coloured, brown and black non-woven weed control barrier for long lasting, and highly effective weed control even against tough weeds such as couch grass, horsetail, bindweed. Ideal for application on slopes where it can be used covered as well as uncovered. The brown coloured side makes it look more natural.	125	1 x 100
		125	2 x 100
		125	4 x 100
		125	5.2 x 100
<b>DuPont™ Plantex® Platinum</b>	With its performance enhanced intrinsic strength and high resistance against UV, Plantex® Platinum is resistant to the most invasive weeds. From Japanese knotweed, giant hogweed, maretail horsetail to himalayan balsam, Plantex® Platinum will deliver the required resistance. Depending on the type of weed and the application, it can either be installed uncovered or not.	240	2 x 50
		240	2.5 x 50
		240	5 x 50
		240	1 x 100
		240	2 x 100
<b>DuPont™ Plantex® Cocomat</b>	An aesthetic, naturally looking fabric offering weed and erosion control in a single fabric. Consists of DuPont™ Plantex® weed control fabric covered with a layer of untreated coconut fibres. Suitable for slope greening, boulders or rock, embankments, landscaping, shore areas of water basins, storage ponds, sewage basins, lakes, traffic infrastructures, fruit and vegetable growing, prevents contact to ground.	540	1.2 x 22.5
		540	2.4 x 22.5



Product	Product description	Basis weight (g/sqm)	Unit dimension (m)
<b>Root control</b>			
<b>DuPont™ Plantex® RootBarrier</b>	Coated non-woven, ideal for preventing invasive growth and damage by aggressive plant roots, e.g. bamboo. It protects underground drainage, sewage, piping and cable systems from root invasion and damage. By controlling the growth of aggressive rooting plants and trees, it also protects patios, paved areas, asphalted surfaces as well as buildings and utility channels.	325	0.5 x 30
		325	0.7 x 30
		325	1 x 30
		325	1.4 x 30
		325	2 x 100
<b>DuPont™ Plantex® RootProtector</b>	The most efficient water-permeable root barrier. DuPont's unique material composition delivers a high resistance to root penetration. Stringently tested at the DuPont European Centre for Research and Development for agricultural products. Available in large dimension rolls for fewer seams and faster installation.	260	1 x 100
		260	2 x 100
		260	4 x 100
		260	5,2 x 100
<b>Stabilisation and drainage fabrics</b>			
<b>DuPont™ Plantex® GroundGrid®</b>	Three-dimensional honeycomb structure based on a non-woven, 100% polypropylene fabric. Stabilises gravel surfaces in domestic parking areas and paths. Prevents erosion on slopes and sloping pond banks.  GroundGrid® 55 mm x 50 mm GroundGrid® 110 mm x 50 mm GroundGrid® 110 mm x 100 mm		
		470	1.25 x 8
		350	1.25 x 8
		690	1.25 x 8
<b>DuPont™ Plantex® Geoproma®</b>	DuPont™ Plantex® Geoproma® is a 100 % thermally-bonded polypropylene, rot-proof geotextile. It avoids the loss of bedding into the subsoil, and prevents soil from migrating into the drainage system.	90	0.5 x 50
		90	1 x 25
		90	1 x 80
		90	2 x 25
<b>Accessories</b>			
<b>DuPont™ Plantex® Anchor Pins</b>	Metal U-shaped hooks	n.a.	15 x 3 x 15 cm
<b>DuPont™ Plantex® ProPins</b>	Metal U-shaped hooks	n.a.	20 x 20 x 20 cm
<b>DuPont™ Plantex® Tape</b>	Recommended accessory for DuPont™ Plantex® RootBarrier.	n.a.	0.05 x 10





# DUPONT™ PLANTEX® PREMIUM

## Standard weed control

	Weed control	Root control	Soil erosion	Stabilisation	Filtration	Plant protection
--	--------------	--------------	--------------	---------------	------------	------------------



**Product**

- 100% polypropylene, thermally bonded product technology
- 68 g/m<sup>2</sup>
- Black colour

**Applications**

- Path / Patio / Paved area / Park / Timber Decking / Hedges / Under turf / Fruit and vegetable growing

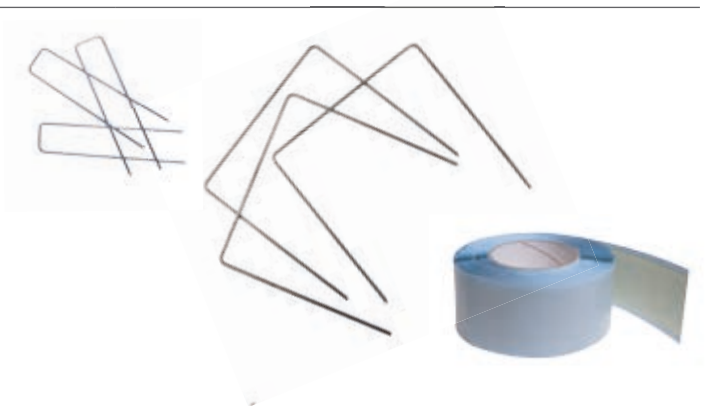
**Benefits**

- Allows the soil and plant roots to breathe and flourish whilst keeping the weeds underground
- Water, air and nutrient permeable
- Less mulch/top layer required when used with Plantex® as it prevents the mulch mixing with the soil
- Less maintenance required in green areas
- Very strong and durable fabric
- Stable in all types of soil (acid and alkaline)
- Rot resistant
- Recyclable

**Installation**

- Quick and easy installation: can be cut to required dimensions by scissors or cutters
- Remove existing weed and level the soil
- Unroll DuPont™ Plantex® Premium on the soil
- If using several runs, overlap at least 10 cm and fix with pins, also fix edges with pins, 2 pins per running meter recommended
- Plants can be planted by simple cross cutting into DuPont™ Plantex® Premium
- Cover with mulch or gravel

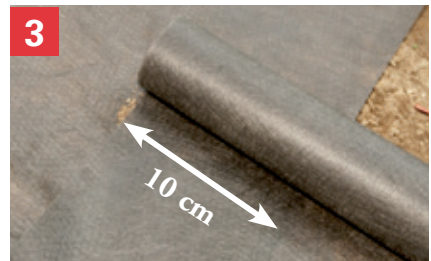
Recommended accessories:  
 DuPont™ Plantex® Anchor Pins,  
 DuPont™ Plantex® ProPins  
 and DuPont™ Plantex® Tape



\* Retains performance for over 20 years if topped with a 5 cm layer of mulch or gravel.  
 For more information on our warranty conditions, please visit our website [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)



## Installation



### Technical characteristics

- Polymer: 100% polypropylene
- Colour: black
- Density: 0.91
- Melting point: 165° C
- Fibre type: continuous filaments
- Bonding: thermal
- Safety: causes no damage to human health or the environment

### Properties

Properties	Standard	Value/Unit
Basis weight	EN ISO 9864	68 g/m <sup>2</sup>
Thickness	EN ISO 9863-1	0,35 mm
Tensile strength	EN ISO 10319	3,4 kN/m
Elongation at break	EN ISO 10319	35 %
Static puncture resistance	EN ISO 12236	500 N
Dynamic puncture	EN ISO 13433	50 mm
Tear resistance	ASTM D4533	160 N
Opening size O <sub>90W</sub>	EN ISO 12956	0,225 mm
Water permeability VI <sub>H50</sub>	EN ISO 11058	180 mm/s

These values are nominal values recorded in our laboratories and by independent institutes and are indicative.

### Durability

No affect when tested according to:

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

### Dimensions

- 1 x 50 m • 2 x 50 m
- 1 x 100 m • 2 x 100 m • 4 x 100 m





# DUPONT™ PLANTEX® PRO

Professional weed control

	Weed control	Root control	Soil erosion	Stabilisation	Filtration	Plant protection
	✓					✓

**Product**

- 100% polypropylene, thermally bonded product technology
- 90 g/m<sup>2</sup>
- Black colour
- UV stabilised

**Applications**

- Path / Patio / Paved area / Park / Timber Decking / Hedges / Under turf / Fruit and vegetable growing

**Benefits**

- Allows the soil and plant roots to breathe and flourish whilst keeping the weeds underground
- Water, air and nutrient permeable
- Less mulch/top layer required when used with Plantex® as it prevents the mulch mixing with the soil
- Less maintenance required in green areas
- Very strong and durable fabric
- Stable in all types of soil (acid and alkaline)
- Rot resistant
- Recyclable

**Installation**

- Quick and easy installation: can be cut to required dimensions by scissors or cutters
- Remove existing weed and level the soil
- Unroll DuPont™ Plantex® Pro on the soil
- If using several runs, overlap at least 10 cm and fix with pins, also fix edges with pins, 2 pins per running meter recommended
- Plants can be planted by simple cross cutting into DuPont™ Plantex®
- Cover with mulch or gravel

Recommended accessories:  
 DuPont™ Plantex® Anchor Pins,  
 DuPont™ Plantex® ProPins  
 and DuPont™ Plantex® Tape

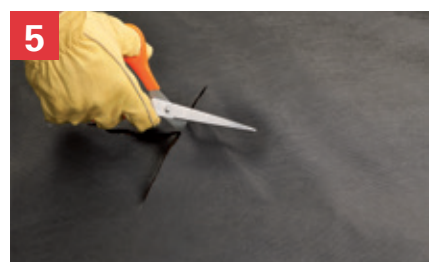
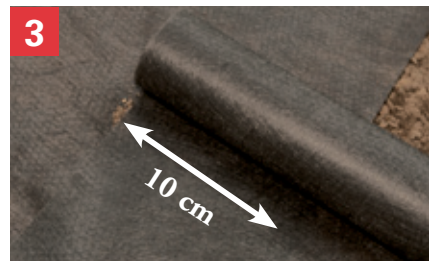


\* Retains performance for over 25 years if topped with a 5 cm layer of mulch or gravel.  
 For more information on our warranty conditions, please visit our website [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)





## Installation



### Technical characteristics

- Polymer: 100% polypropylene
- Colour: black
- Density: 0.91
- Melting point: 165° C
- Fibre type: continuous filaments
- Bonding: thermal
- Safety: causes no damage to human health or the environment

Properties	Standard	Value/Unit
Basis weight	EN ISO 9864	90 g/m <sup>2</sup>
Thickness	EN ISO 9863-1	0,39 mm
Tensile strength	EN ISO 10319	5 kN/m
Elongation at break	EN ISO 10319	40 %
Static puncture resistance	EN ISO 12236	750 N
Dynamic puncture	EN ISO 13433	40 mm
Tear resistance	ASTM D4533	220 N
Opening size O <sub>90W</sub>	EN ISO 12956	0,175 mm
Water permeability VI <sub>H50</sub>	EN ISO 11058	100 mm/s

These values are nominal values recorded in our laboratories and by independent institutes and are indicative.

### Durability

No affect when tested according to:

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

### Dimensions

- 1 x 50 m • 2 x 50 m





# DUPONT™ PLANTEX® GOLD

Superior weed control even against tough weeds

	Weed control	Root control	Soil erosion	Stabilisation	Filtration	Plant protection
--	--------------	--------------	--------------	---------------	------------	------------------



## Product

- 100% polypropylene, thermally bonded product technology
- 125 g/m<sup>2</sup>
- Black/brown colour
- UV stabilised

## Applications

- Slopes / Hedges / Paths / Driveway / Patio / Parking lot / Pond / Paved area / Park / Fruit and vegetable growing

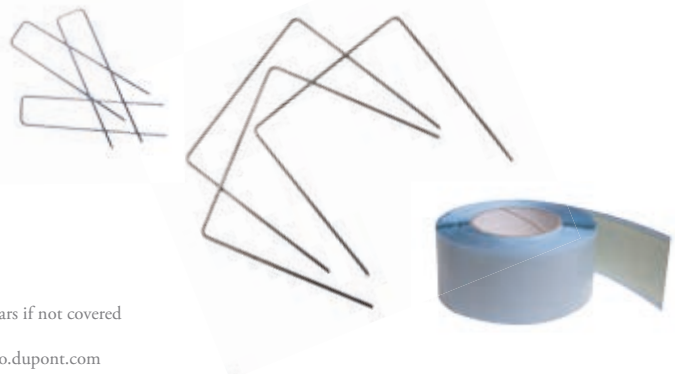
## Benefits

- Can be used without mulch
- Controls soil erosion
- Allows the soil and plant roots to breathe and flourish whilst keeping the weeds underground
- Water, air and nutrient permeable
- Less mulch/top layer required when used with Plantex® as it prevents the mulch mixing with the soil
- Less maintenance required in green areas
- Very strong and durable fabric
- Stable in all types of soil (acid and alkaline)
- Rot resistant
- Recyclable

## Installation

- Easy and fast installation: can be cut to required dimensions by scissors or cutters
- Remove existing weed and level the soil
- Unroll DuPont™ Plantex® Gold on the soil
- If using several runs, overlap at least 10 cm and fix with pins, also fix edges with pins, 2 pins per running meter recommended
- Plants can be planted by simple cross cutting into DuPont™ Plantex® Gold
- Cover with mulch or gravel if necessary

Recommended accessories:  
 DuPont™ Plantex® Anchor Pins,  
 DuPont™ Plantex® ProPins  
 and DuPont™ Plantex® Tape



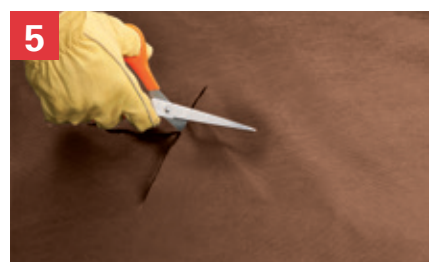
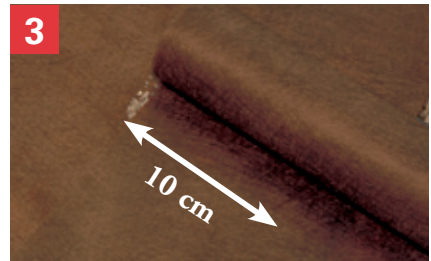
\* Retains performance for over 25 years if topped with a 5 cm layer of mulch or gravel, 3 years if not covered and exposed to sunlight.

For more information on our warranty conditions, please visit our website [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)





## Installation



### Technical characteristics

- Polymer: 100% polypropylene
- Colour: black/brown
- Density: 0.91
- Melting point: 165° C
- Fibre type: continuous filaments
- Bonding: thermal
- Safety: causes no damage to human health or the environment

Properties	Standard	Value/Unit
Basis weight	EN ISO 9864	125 g/m <sup>2</sup>
Thickness	EN ISO 9863-1	0,45 mm
Tensile strength	EN ISO 10319	7,8 kN/m
Elongation at break	EN ISO 10319	60 %
Static puncture resistance	EN ISO 12236	1050 N
Dynamic puncture	EN ISO 13433	27 mm
Tear resistance	ASTM D4533	300 N
Opening size O <sub>90W</sub>	EN ISO 12956	0,125 mm
Water permeability VI <sub>H50</sub>	EN ISO 11058	60 mm/s

These values are nominal values recorded in our laboratories and by independent institutes and are indicative.

### Durability

No affect when tested according to:

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

### Dimensions

- 1 x 100 m • 2 x 100 m • 4 x 100 m • 5,2 x 100 m





# DUPONT™ PLANTEX® PLATINIUM

## Control of invasive or aggressive weeds

	Weed control	Root control	Soil erosion	Stabilisation	Filtration	Plant protection
--	--------------	--------------	--------------	---------------	------------	------------------



### Product

- 100% polypropylene
- Density: 0.91
- Melting point: 165° C
- Fibre type: continuous filaments
- Bonding: Thermal
- Colour: Dark green
- Safety: Causes no damage to human health or the environment

### Applications

- Plantex® Platinum is a highly UV-stabilized nonwoven weed control barrier specially developed to fight invasive or aggressive plants such as Japanese knotweed, giant hogweed, mareetail or reed.

### Benefits

- Offers proven performance against invasive or aggressive weeds
- Provides long-term protection of investment in solar energy
- Offers unique intervention for immediate results and greatly reduces weed control cost
- Helping you to deliver a chemical free solution that conforms to EU & UK HSE directives concerning the reduction of herbicide use
- Ensures a natural and healthy balance of the soil by allowing nutrients & water to pass through
- Depending on the application, it can be left uncovered, with its performance lasting up to 8 years, or up to 35 years if completely covered.
- Rot resistant
- Recyclable

\* Retains performance for over 35 years if topped with a 15-20 cm layer of soil or gravel, 8 years if not covered and exposed to sunlight. For more information on our warranty conditions, please visit our website [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)





Properties	Standard	Value	Unit
Descriptive properties			
Basis weight	EN ISO 9864	240	g/m <sup>2</sup>
Thickness under 2kN/m <sup>2</sup>	EN ISO 9863-1	0.64	mm
Hydraulic characteristics			
Opening size O <sub>90w</sub>	EN ISO 12956	0.060	mm
Water permeability VI <sub>H50</sub>	EN ISO 11058	20	mm/s
Mechanical characteristics			
Tensile strength	EN ISO 10319	18	kN/m
Elongation at break	EN ISO 10319	60	%
Tear resistance	ASTM D4533	550	N
Static puncture resistance	EN ISO 12236	2600	N
Dynamic puncture	EN ISO 13433	16	mm

\* 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.





## DUPONT™ PLANTEX® PLATINIUM

### Proven control of invasive weeds

The high quality weed control fabric with proven performance, Plantex® Platinum keeps Japanese knotweed (and other aggressive weeds such as horsetail, giant hogweed, or reed) reliably out of the picture. Easy to install, a single application is all that's required for immediate results: unlike periodic chemical solutions or regular site mowing work, no maintenance is needed for several years. With its dark green colour, the fabric integrates perfectly into the natural environment. Offering high tear resistance, Plantex® Platinum comes in widths of 1m, 2m and 5m, enabling extensive coverage and requiring fewer joints. For invasive weed control the fabric has to be covered with 15-20 cm of soil or gravel to counteract the growth of the plants and to ensure a long lasting performance up to 35 years.

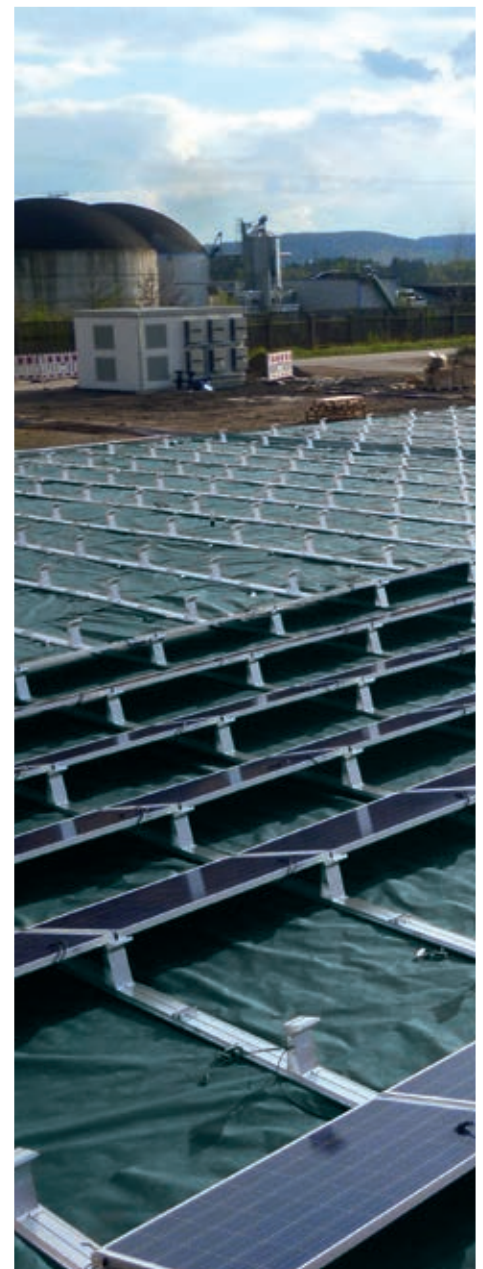
Installation of Plantex® Platinum covered with topsoil



### Solar farm protection

Thanks to its long lasting UV resistance, Plantex® Platinum is also an ideal chemical-free solution for long term weed control in solar farms. The fabric prevents any kind of vegetation from growing and shadowing on the solar collectors, whether photovoltaic or thermal panels. The solar plant equipment maintenance is considerably reduced and solar energy can be exploited to its maximum. With an additional non-organic cover (such as gravel), Plantex® Platinum ensures optimal energy efficiency throughout the installation's entire lifetime.

It can be left uncovered with its performance lasting up to 8 years or 35 years if completely covered.

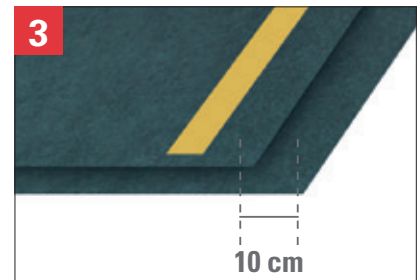
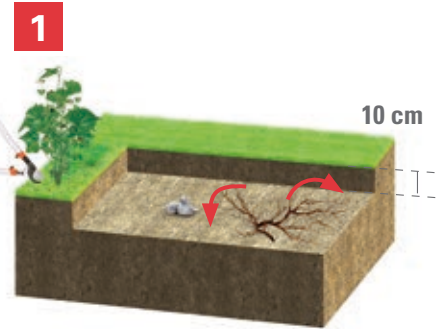


Photovoltaic park Suntec, Germany: another application for Plantex® Platinum

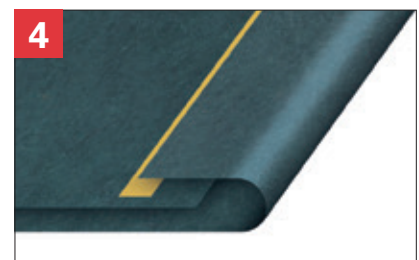




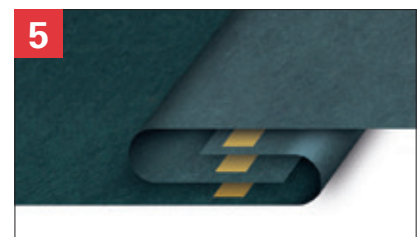
## Installation



Overlap two runs of Plantex® Platinum with a 10 cm joint spacing; apply a single and continuous run of double sided adhesive tape to the top run of fabric.



Fold over the bottom run onto the adhesive strip of the upper run of fabric and press down firmly to seal.



Now fold the upper run to form the letter 'S' with the joint. To increase the strength of the seal, add a second, then a third piece of tape.

## Main steps for installation for invasive or aggressive weeds applications

Refer to installation instructions for complete information.

**1**

Site preparation: Manually remove all parts of the plants above the ground avoiding dissemination. Excavate the soil to a depth of 10 cm to level and flatten it; remove large rocks. To avoid the proliferation of roots in the soil, it is recommended to confine the infested area with the vertical root barrier Plantex® RootBarrier.

**2**

Unroll the sheet on flat ground and choose a maximum width to reduce the number of joints. If joints are needed, use one of the methods described in the Plantex® Platinum Installation Guide. We recommend the use of a butyl tape of at least 10cm width. Always ballast the fabric with 15 to 20 cm of soil or gravel to counteract the growth of the plants. A continuous coverage of gravel or soil ensures more permanent protection against UV radiation from the sun.

### Dimensions

- 1 x 100 m • 2 x 50 m • 2,5 x 50 m
- 2 x 100 m • 5 x 50 m • 5 x 100 m

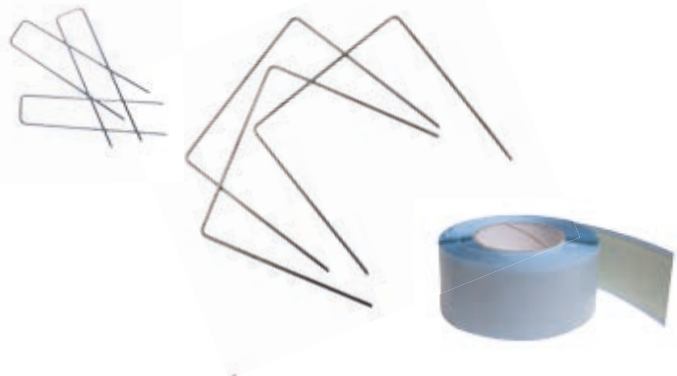


# DUPONT™ PLANTEX® COCOMAT

Erosion and weed control in a single fabric

	Weed control	Root control	Soil erosion	Stabilisation	Filtration	Plant protection
	✓		✓			✓
<b>Product</b>	<ul style="list-style-type: none"> <li>• 2 layered compound product of DuPont™ Plantex® and coconut long fibers</li> <li>• 540 g/m<sup>2</sup></li> <li>• UV stabilised</li> </ul>					
<b>Applications</b>	<ul style="list-style-type: none"> <li>• An ideal choice for applications where mulch does not hold in place, as for examples slopes, or embankments. Fruit and vegetable growing</li> </ul>					
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Efficient weed control without mulch, no need for yearly mulch change</li> <li>• Natural look of product</li> <li>• Prevents drying out of the soil</li> <li>• Water, air and nutrient permeable</li> <li>• Helps to prevent soil erosion in steep slopes (after heavy rain)</li> <li>• Stable in all types of soil (acid and alkaline)</li> <li>• Rot resistant</li> <li>• Recyclable</li> </ul>					
<b>Installation</b>	<ul style="list-style-type: none"> <li>• Quick and easy installation: can be cut to required dimensions by scissors or cutters</li> <li>• Remove existing weed and level the soil</li> <li>• Unroll DuPont™ Plantex® Cocomat on the soil</li> <li>• If using several runs, overlap at least 10 cm and fix with pins, also fix edges with pins, 2 pins per running meter recommended</li> <li>• Plants can be planted by simple cross cutting into DuPont™ Plantex® Cocomat</li> </ul>					

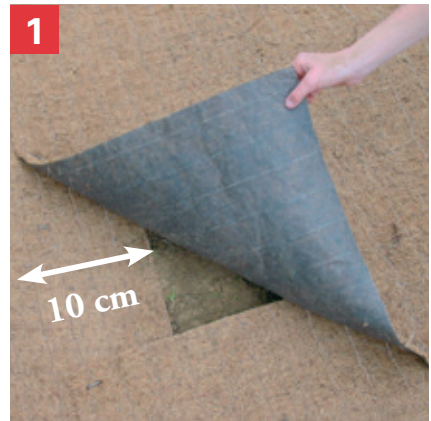
Recommended accessories:  
 DuPont™ Plantex® Anchor Pins,  
 DuPont™ Plantex® ProPins  
 and DuPont™ Plantex® Tape







## Installation



Properties	Standard	Value	Unit
Basis weight	EN ISO 9864	540	g/m <sup>2</sup>
Thickness	EN ISO 9863-1	6	mm
Tensile strength	EN ISO 10319	5,0	kN/m
Elongation at break	EN ISO 10319	40	%
Tear resistance	ASTM D4533	220	N
Air permeability	ASTM D737	96	m <sup>3</sup> /m <sup>2</sup> /min
Water permeability VI <sub>H50</sub>	EN ISO 11058	100	mm/s*

\* This value refers to the supporting nonwovens layer of 90g/m<sup>2</sup>

## Dimensions

- 1,2 x 22,5 m
- 2,4 x 22,5 m





# DUPONT™ PLANTEX® ROOTBARRIER

Helps you to avoid uncontrolled spreading of plant roots

	Weed control	Root control	Soil erosion	Stabilisation	Filtration	Plant protection
--	--------------	--------------	--------------	---------------	------------	------------------



**Product**

- 100% polypropylene, thermally bonded product technology with impermeable smooth green coating on one side
- 325 g/m<sup>2</sup>

**Applications**

- Ideal solution to control plants with aggressive root systems such as bamboos and pyracantha. Particularly recommended for critical applications such as protecting buried linear networks : cables, water piping, pavements, paved areas, roads, water and sewage networks

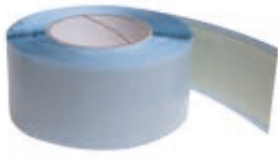
**Benefits**

- Maximum root control
- Helps to prevent the spread of roots and the resulting damage to water piping, electrical cables, walkways, building foundations, etc.
- Enables separation of planted areas in parks
- Helps to prevent root invasion (e. g. bamboo)
- Aids in preventing the proliferation of hearbaceous, mint, raspberries, blackberries
- Mechanical and water barrier to roots
- Stable in all types of soil (acid and alkaline)
- Rot resistant
- Recyclable

**Installation**

- Quick and easy installation: can be cut to required dimensions by scissors or cutters
- The green side must always face the roots
- Take special care when joining sheets to ensure seam tightness and avoid root penetration
- Detailed instruction guidelines can be downloaded at: [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)

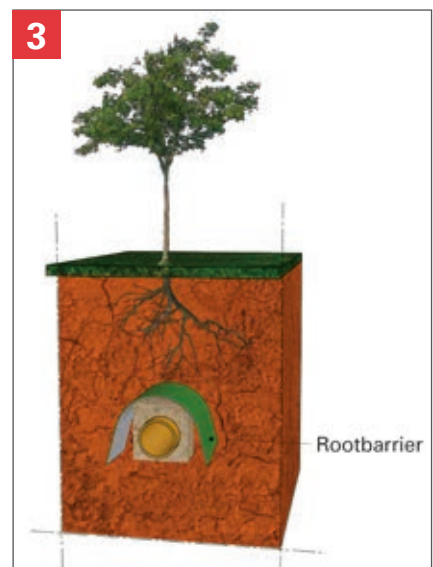
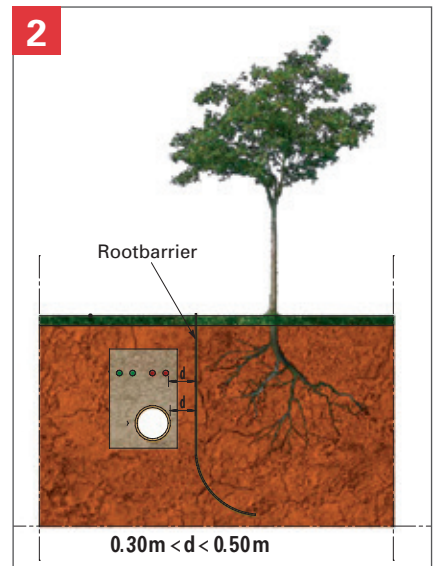
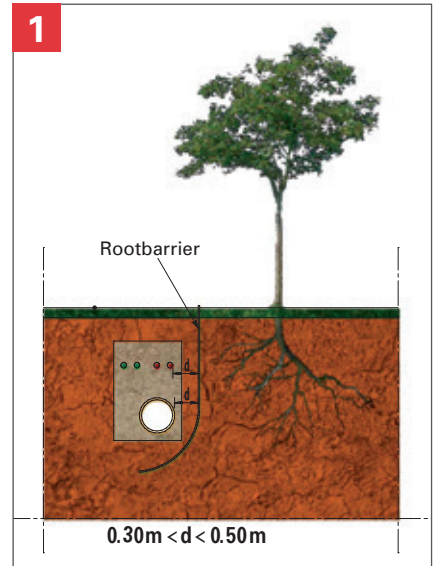
Recommended accessory:  
DuPont™ Plantex® Tape







## Installation



Properties	Standard	Value	Unit
Basis weight	EN ISO 9864	325	g/m <sup>2</sup>
Thickness	EN ISO 9863-1	0,8	mm
Tensile strength	EN ISO 10319	22	kN/m
Elongation at break	EN ISO 10319	50	%
Tear resistance	ASTMD4533-91	600	N
Static puncture resistance	EN ISO 12236	3500	N
Dynamic puncture	EN ISO 13433	12	mm
Resistant against roots according to CEN/TS 14416			
Avoid any contact with herbicides and pesticides			

These values are nominal values recorded in our laboratories and by independent institutes and are indicative.

## Dimensions

- 0,5 x 30 m • 0,7 x 30 m • 1 x 30 m • 1,4 x 30 m
- 2 x 100 m



# DUPONT™ PLANTEX® ROOTPROTECTOR

Water-permeable root barrier

	<b>Weed control</b>	<b>Root control</b>	<b>Soil erosion</b>	<b>Stabilisation</b>	<b>Filtration</b>	<b>Plant protection</b>
--	---------------------	---------------------	---------------------	----------------------	-------------------	-------------------------



## Product

- 100% polypropylene, thermally bonded product technology
- Color: dark grey
- 260 g/m<sup>2</sup>

## Applications

- Ideal for horizontal installations such as cycle tracks and forest trails
- Urban plantation ditches
- Shrub hedges
- Suitable for work in humid conditions
- Green roofs

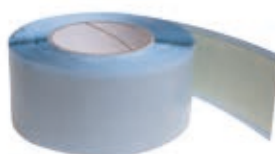
## Benefits

- The most efficient water-permeable root barrier
- DuPont's unique material composition delivers a high resistance to root penetration
- Stringently tested at the DuPont European Centre for Research and Development for agricultural products
- Available in large dimension rolls for fewer seams and faster installation
- Easy to install through a wide choice of large dimensions (1m to 5.2 m wide x 100 m long) to cover extensive areas with a minimum number of joints

## Installation

- An easy to shape solution, DuPont™ Plantex® RootProtector will fit perfectly to the shape of excavated trenches and ditches

Recommended accessory:  
DuPont™ Plantex® Tape

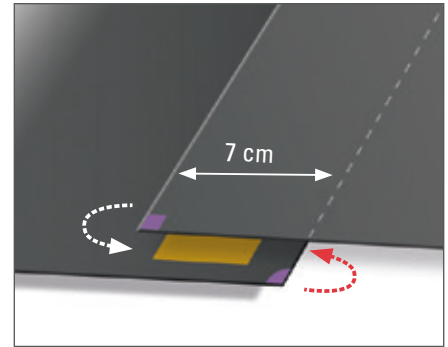


For critical applications such as protecting buried linear networks or where plants have rhizome systems, the use of DuPont™ Plantex® RootBarrier, impermeable root barrier is recommended.

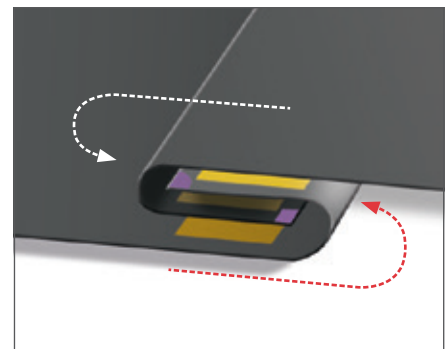




## Installation



- 1- Stick on the double-sided adhesive strip of Plantex® Tape - 5 cm
- 2- Fold the edges after glueing



- 3- Fold into a S shape after adhesion
- 4- For an optimal result, apply a 2nd and 3rd adhesive strip to close the fold



Properties	Standard Norm	Value	Unit
Area Weight	EN ISO 9864	260	g/m <sup>2</sup>
Thickness	EN ISO 9863-1	0,6	mm
Tensile strength	EN ISO 10319	20	kN/m
Elongation	EN ISO 10319	55	%
Tear resistance	ASTM D4533-91	300	N
Static puncture resistance	EN ISO 12236	2600	N
Dynamic puncture	EN ISO 13433	20	mm
Water permeability VI <sub>H50</sub>	EN ISO 11058	8	mm/s

These values are nominal values recorded in our laboratories and by independent institutes and are indicative.

## Technical characteristics

- Polymer: 100% polypropylene
- Colour: dark grey
- Density: 0,91
- Melting point: 165° C
- Type of fibres: continuous filaments
- Fibre bonding: thermal bonding

## Durability

- |                                       |   |
|---------------------------------------|---|
| • Natural UV light                    | Must be protected from natural UV light |
| • Moisture                            | Does not absorb moisture                |
| • Rot, mildew                         | Unaffected                              |
| • Natural occurring acids and bases   | Unaffected                              |
| • Chemical resistance - EN 14030      | Unaffected                              |
| • Microbiological resistance EN 12225 | Unaffected                              |
| • Root resistance - CEN/TS 14416      | No perforation                          |
- Avoid any contact with herbicides and pesticides

## Dimensions

- 1 x 100 m • 2 x 100 m • 4 x 100 m • 5,2 x 100 m



# DUPONT™ PLANTEX® GEOPROMA®

An ideal solution to address stabilisation and filtration

	Weed control	Root control	Soil erosion	Stabilisation	Filtration	Plant protection
				✓	✓	

**Product**

- 100% polypropylene, thermally bonded product technology
- 90 g/m<sup>2</sup>
- Color: grey

**Applications**

- Filter for drainage system / Filter for wall drainage / Wall drainage / Path / Patio / Driveway / Parking lot / Pond / Paved area / Park / Timberdecking / Sidewalks / Temporary used roads

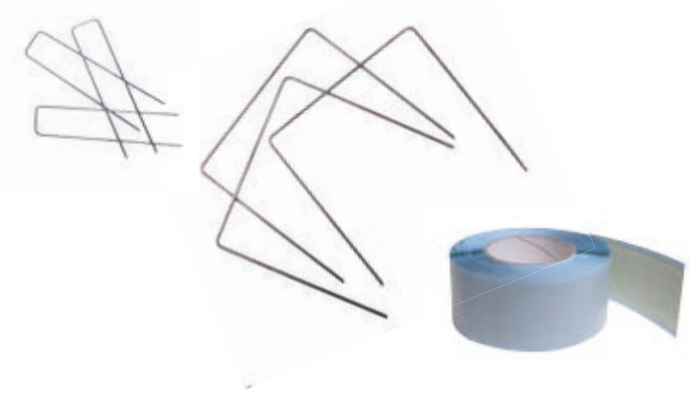
**Benefits**

- It avoids the loss of bedding into subsoil
- Prevents soil from migrating into the drainage system
- Can be covered with many different materials (paving slabs on bedding, washed gravel, sand, ...)
- Ensures that the construction base remains stable and reliable. Its filtration characteristics ensure continuous drainage
- Does not deteriorate
- Rot resistant

**Installation**

- Easy and fast installation: can be cut to required dimensions by scissors or cutters
- Level ground surface and remove any large stones
- Unroll Geoproma® (if windy use stones to hold product)
- If more than one roll is required, ensure sufficient edge overlap. (10 - 15 cm)
- Spread gravel, compact if necessary and cover with the material of your choice.
- For use in drainage trenches: ensure sufficient overlap of Geoproma®. (10 - 15 cm)

Recommended accessories:  
 DuPont™ Plantex® Anchor Pins,  
 DuPont™ Plantex® ProPins  
 and DuPont™ Plantex® Tape

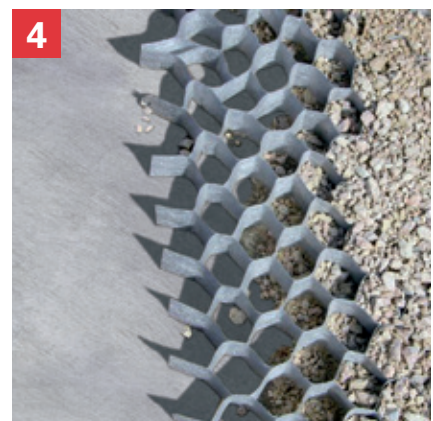
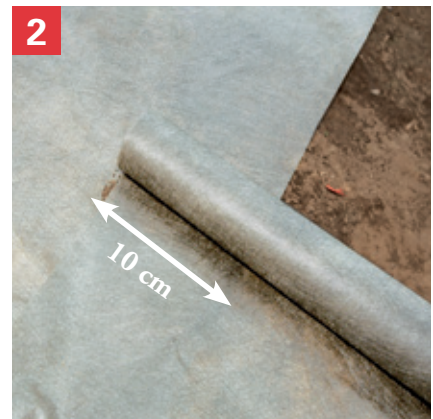


\* When covered completely in soil without risk of UV exposure, life-time of more than 25 years.  
 For more information on our warranty conditions, please visit our website [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)





## Installation



Optional use of DuPont™ Plantex® GroundGrid®

Properties	Standard	Value	Unit
Basis weight	EN ISO 9864	90	g/m <sup>2</sup>
Tensile strength	EN ISO 10319	5,0	kN/m
Elongation at break	EN ISO 10319	40	%
Tensile strength at 5% elongation	EN ISO 10319	2,6	kN/m
Energy absorption	EN ISO 10319	1,8	kJ/m <sup>2</sup>
Static puncture resistance	EN ISO 12236	750	N
Dynamic puncture	EN ISO 13433	45	mm
Opening size O <sub>90w</sub>	EN ISO 12956	175	µm
Water permeability VI <sub>H50</sub>	EN ISO 11058	100	mm/s

These values are nominal values recorded in our laboratories and by independent institutes and are indicative.

## Durability

No affect when tested according to:

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

Avoid any contact with herbicides and pesticides

## Dimensions

• 0,5 x 50 m • 1 x 25 m • 1 x 80 m • 2 x 25 m



# DUPONT™ PLANTEX® GROUNDGRID®

An ideal combination of ground stabilisation, confinement and drainage

	Weed control	Root control	Soil erosion	Stabilisation	Filtration	Plant protection
			✓	✓	✓	

**Product** • Three dimensional honeycomb structure based on high strength nonwoven sheet

**Applications** • Stabilisation of gravel or mineral infill surfaces / Stabilisation of pond edges with soil or sand.  
 Path / Patio / Driveway with light traffic / Parking lot with light traffic / Private parking with light traffic / Drainage system / Park / Walkways / Roads with light traffic

**Benefits**

- Light but high strength material
- Water permeable in all directions
- Helps to create drained surfaces
- Minimises risks of flooding by reducing surface rainwater runoff
- Supports occasional light traffic
- Easy to transport as product is folded
- Does not deteriorate
- Rot resistant

**Installation**

- Quick and easy installation: can be cut to required dimensions by scissors or cutters
- Detailed instruction guidelines can be downloaded at: [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)
- Can be installed on slopes up to 9% or 5° angle

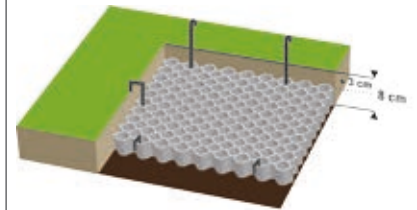
	Driveways	Car park	Pathway	Patio	Wine cellar	Golf cart paths	Football fields	Forest paths	Cycling lanes	Pond edges	Park & pathways	Cemetery
<b>Recommended cell size width x height in mm</b>												
55 x 50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
110 x 50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
110 x 100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Gravel type</b>												
Crushed gravel - Not friable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Crushed gravel - Any type	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Crushed gravel - Expanded Clay	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Gravel size</b>												
55 x 50: 8/16 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
110 x 50: 16/40 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
110 x 100: 16/40 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Gravel quantity per m<sup>2</sup> (1m<sup>3</sup> = 1000l)</b>												
55 x 50: 80 l/m <sup>2</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
110x100: 130 l/m <sup>2</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
110x 50: 80 l/m <sup>2</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Geotextile recommended</b>												
Geoproma® or Typar® SF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



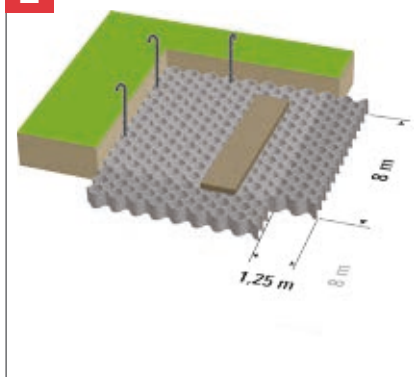


## Installation

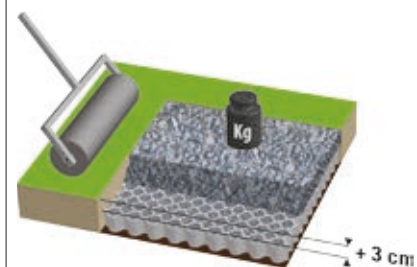
1



2



3



4



Properties	Standard	Value			Unit
<b>Of the honeycomb structure</b>					
Diameter of the cells		55	110	110	mm
Height of the cells		50	50	100	mm
Area weight of the structure	EN ISO 9864	470	350	690	g/m <sup>2</sup>

### Of the nonwoven material

Basis weight	EN ISO 9864	190	290	290	g/m <sup>2</sup>
Tensile strength	EN ISO 10319	13	21	21	kN/m
Elongation at break	EN ISO 10319	50	55	55	%
Opening size O <sub>90W</sub>	EN ISO 12956	0,08	0,07	0,07	mm
Water permeability VI <sub>H50</sub>	EN ISO 11058	35	15	15	mm/s

The honeycomb needs to be covered by a 3 cm gravel layer. Use ONLY crushed, angular gravel. For a cell diameter of 55 mm, gravel in the range of 8/16 (or similar) is recommended; for a cell diameter of 110 mm, gravel in the range of 16/32 (or similar) is recommended.

## Durability

No affect when tested according to:

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

Avoid any contact with herbicides and pesticides

## Dimensions

- 55 mm x 50 mm - 1,25 m x 8 m
- 110 mm x 50 mm - 1,25 m x 8 m
- 110 mm x 100 mm - 1,25 m x 8 m



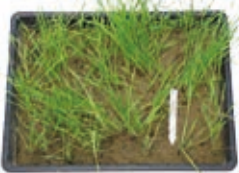




# WEED CONTROL PERFORMANCE

## DuPont™ Plantex® - Proven weed control performance

At the company's experimental farm station in Nambenheim, France, DuPont has undertaken rigorous testing of Plantex® weed control fabrics in an actual plantation test field using *Alopecurus myosuroides* (Engl. Blackgrass or Slender Foxtail) to evaluate the fabric's performance in application.

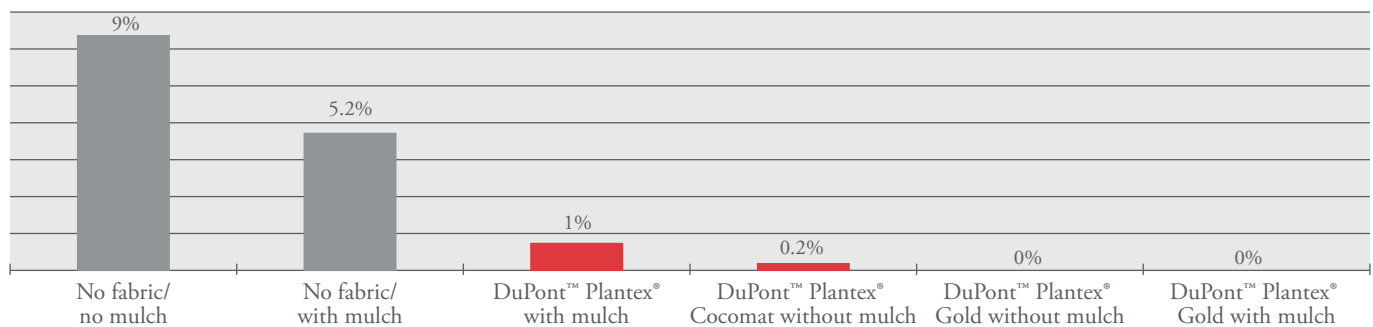
Test parameters: ~1,700 seeds/testbox, ~14,000 seeds/m<sup>2</sup>.

(Results: Growth after 5 weeks).

No fabric/ no mulch	No fabric/ with mulch	DuPont™ Plantex®	DuPont™ Plantex® Cocomat	DuPont™ Plantex® Gold
		Basic weed control 	Efficient weed control plus alternative to mulch on slopes 	Superior weed control even against tough weeds. Can be used without mulch 

Source: DuPont 2010

## Germinated blackgrass seedlings through fabric after 5 weeks, test result applied to a surface of 1m<sup>2</sup>



Source: DuPont 2010



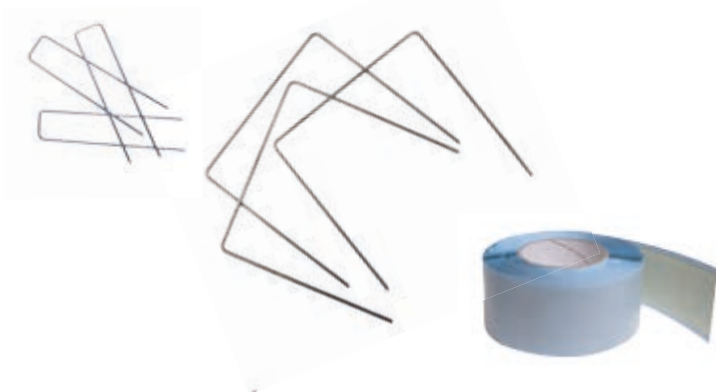


## APPLICATION TABLE PLANTEX® WEED CONTROL FABRICS

	Plantex® Pro	Plantex® Premium	Plantex® Gold	Plantex® Platinum
Standard weeds	✓	✓		
Aggressive weeds such as couch grass, horsetail, mareetail, bindweed etc			✓	
Invasive or aggressive weeds such as Japanese knotweed, reed, giant reed, couch grass, horsetail, mareetail, Himalayan balsam etc				✓

All DuPont™ Plantex® Weed Control products are subject to a limited warranty. The limited warranty does not cover damage or failure of the product if it has been in contact with any sort of herbicides or pesticides. (see full warranty document on [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)).

Recommended accessories :  
 DuPont™ Plantex® Anchor Pins,  
 DuPont™ Plantex® ProPins,  
 DuPont™ Plantex® Tape.  
 See specific installation guidelines for  
 Plantex® Platinum.







Recommendations as to methods, use of materials and construction details are based on the experience and current knowledge of DuPont and are given in good faith as a general guide to designers, contractors and manufacturers. This information is not intended to substitute for any testings you may need to conduct to determine for yourself the suitability of our products for your particular purposes. 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 makes no warranties 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 a recommendation to infringe any patent right.

DuPont Protection Solutions  
DuPont de Nemours (Luxembourg) S.à r.l.  
L-2984 Luxembourg

[www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)

