



# Plantex<sup>®</sup> Landscape Solutions





# Plantex<sup>®</sup>

## is your indispensable ally

**For anyone invested in creating an elegant, healthy and easy to maintain landscape project, DuPont™ Plantex<sup>®</sup> is your indispensable ally:**

- Easy to install, it helps to lay the foundation for beautiful, stable and sustainable designs
- Its unique properties allow for optimum soil conditions and therefore healthier plants
- Its proven performance in controlling invasive growth eliminates the need for chemicals

Every landscaping professional wants to do the best for their clients and create something that is a pleasure to spend time in, not a nightmare to maintain. As regulations against herbicides increase, so does the need for ingenious products that can become reliable partners for the long term.

Customers too - from homeowners to commercial and public property managers - are demanding products that support a well-balanced ecosystem.

Technology can be put to work in all the right ways in forward-thinking landscaping projects, protecting property values and infrastructure, as well as the environment. Carefully researched, developed and tested, Plantex<sup>®</sup> has the know-how of a world-class science company behind the brand and the support of expert technical teams 'on the ground.'

Created as part of a holistic system of products and services, Plantex<sup>®</sup> works hard to ensure optimum results - both immediately following installation and for many years to come. This guide will help you to identify the landscape materials that are ideal for your specific projects.

### **What makes Plantex<sup>®</sup> different?**

- The DuPont thermal bonding technology creates superior resistance against damage or clogging thanks to the unique structure of the material
- Superior air permeability allows the soil beneath the fabric to breathe, resulting in greater bio diversity
- Advanced water permeability ensures improved drainage and sufficient hydration so that nutrients and fertilisers can nourish the roots of the plants, while also minimising the risk of soil run-off during heavy rain
- Robust durability and excellent tensile strength ensures the kind of tear and puncture resistance that will go the distance

### **The advantages of using Plantex<sup>®</sup>:**

- A significant reduction in the use of chemicals
- Easy to transport and install
- Peace of mind from a choice wisely made
- No fraying of the edges after cutting the fabric

# The Plantex® product offering

Plantex® is part of a family of products that has been carefully created by DuPont to offer a complete and comprehensive solution to three vital needs:



Weed control



Root control



Soil stabilisation

	Basis weight (g/m <sup>2</sup> )	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	✓	✓	✓		✓	✓		✓		✓					



# Weed control solutions



Beware false economies. Quality and reliability matters - and as weed control fabrics represent less than 1% of the typical overall cost of a landscaping project – fabric choice should be about the wisest investment, not the cheapest option. Selecting an inferior product could result in both costly maintenance issues and unsatisfactory aesthetics. On the other hand, installing a dependable landscape fabric with proven performance will pay dividends in terms of a more professional finish, minimal weed management, long-term and sustainable plant cultivation.

DuPont offers a complete and comprehensive range of products to arm professionals in the fight against weeds. These range from basic weed control products ideal for ornamental gardening and landscaping to specialised products for long term weed control, to products designed specifically for the control of aggressive and invasive weeds:

- Plantex® Platinum - specially designed for controlling invasive and aggressive weeds such as Japanese Knotweed, for use in covered applications
- Plantex® Platinum Solar - for the uncovered control of weeds in solar farms or sensitive technical installations that need long-term protection, where weeds can cause safety issues or where covering the fabric is technically not possible
- Plantex® Gold - a long-lasting and highly effective barrier against tough weeds such as couch grass, horsetail and bindweed, ideal for application on slopes where it can be used covered as well as uncovered

- Plantex® Cocomat - designed for erosion control in sloping landscapes

- Plantex® Pro / Premium - premium weed control products which allow desired plants to grow well and which require minimal maintenance

There are many different manufacturing technologies used to create the various weed control products on the market. In the absence of a standardized weed control property norm, each landscape fabric can vary significantly in performance.

Please go to [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com) to read a full test report verifying the reliability of Plantex®.



# Plantex® Premium and Plantex® Pro Professional, chemical-free weed control

Plantex® Premium and Plantex® Pro are professional weed control products with high porosity for long lasting, effective and environmentally friendly weed control against most weeds. While Plantex® Premium is the ideal entry product and its weed control performance is fit for purpose, Plantex® Pro blocks the growth of weeds even better, thanks to the fabric's higher basis weight. The unique structure of Plantex® Premium and Plantex® Pro allows air, water and nutrients to pass through the fabric, lets the soil and plant roots breathe while keeping the weeds underground.

This helps to promote a soil environment conducive to healthier plant growth, while providing low maintenance weed control against most common garden weeds such as dandelion, forget me not, clover, buttercup.

By using Plantex® Premium and Plantex® Pro, you dispense with need for chemical weed killers. Inert, this weed control fabric does not decompose with any type of soil. Plantex® Premium and Plantex® Pro are to be covered with gravel, mulch or turf.

---

## Product features

- 100% polypropylene, thermally bonded product technology
- Strong product to efficiently block the growth of weeds under the fabric
- High porosity product, allowing air, water and nutrients to reach the soil and the plant roots
- UV-stabilized product that allow for an exceptional durability when properly covered
- Very resistant to puncture
- Effective weed control
- A chemical-free solution
- Raises the quality of plants
- Easy to cut and install

## Product Description

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



Properties	Test method	Unit	Mean Value	
			Plantex® Premium	Plantex® Pro
Product Description				
Basis weight	EN ISO 9864	g/m²	68	90
Thickness under 2 kN/m²	EN ISO 9863-1	mm	0.35	0.39
Hydraulic characteristics				
Water permeability $V_{I_{H50}}$	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	108

\* 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 affect 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	



# Plantex® Gold

## Superior weed control even against tough weeds

Plantex® Gold is a very strong weed control fabric for long lasting, highly effective and chemical-free weed control even against tough weeds such as couch grass, horsetail, bindweed... The bi-coloured brown and black fabric allows air, water and nutrients to pass through, lets the soil and plant roots breathe while keeping the weeds underground.

Plantex® Gold is ideal for application on slopes where it can be used covered as well as uncovered. The fabric is guaranteed to last up to 25 years when covered properly with mulch or gravel. When used uncovered, it will last up to 3 years, depending on the UV exposure.

---

### Product features

- 100% polypropylene, thermally bonded product technology
- Very strong and durable fabric
- A chemical free solution
- Easy and fast installation
- Raises quantity and quality of crops
- Brown coloured side gives a natural look to the landscape
- Controls soil erosion

### Product Description

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





Properties	Test method	Unit	Mean Value
Product Description			
Basis weight	EN ISO 9864	g/m <sup>2</sup>	125
Thickness under 2 kN/m <sup>2</sup>	EN ISO 9863-1	mm	0.45
Hydraulic characteristics			
Water permeability VI <sub>H50</sub>	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 <sub>90W</sub>	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 affect 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
---------------	-----------	-----------	-----------	-------------

# Plantex® Cocomat

## Erosion and weed control in a single fabric

Plantex® Cocomat has been designed for erosion control in slopes applications where mulch or wood chips struggle to remain in place and therefore have problems to protect the plant growth against erosion. The aesthetic, natural-looking fabric provides erosion and weed control during the first phases of plant growth until planting can take over the function of erosion control.

The product consists of Plantex® weed control fabric covered with a layer of natural, untreated coconut fibres. The coconut fibres are stitched together between two polypropylene meshes, and then hot-melt-glued to the Plantex® fabric without any risk of destroying the functionality of the weed control barrier.

---

### Product features

- Immediate protection against wind / water erosion and weed control in a single fabric
- Natural look of product
- Prevents drying out of the soil
- Water, air and nutrient permeable
- Recyclable

### Product Description

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



Properties	Test method	Unit	Mean Value
Product Description			
Basis weight	EN ISO 9864	g/m <sup>2</sup>	540
Thickness under 2 kN/m <sup>2</sup>	EN ISO 9863-1	mm	6
Hydraulic characteristics			
Water permeability V <sub>I<sub>H50</sub></sub>	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 <sup>3</sup> /m <sup>2</sup> /min	96

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

### Product dimensions

Plantex® Cocomat	1.2 x 22.5 m	2.4 x 22.5 m
------------------	--------------	--------------



# Plantex® Platinum

## The optimum solution to invasive neophytes and weeds

Your most reliable ally in the battle against Japanese knotweed, couch grass, horsetail, hogweed and other such damaging and aggressive plants, Plantex® Platinum is designed for near-surface applications with an essential covering of 20 cm minimum. This intrinsically strong, high-performance fabric eliminates the need for herbicides or mowing, while its water and air permeability help to maintain soil health, stability and drainage. Its effectiveness has been demonstrated in multiple field tests over many years.

Plantex® Platinum is low maintenance, working immediately and for the long-term, once it has been correctly installed. Visually unobtrusive, the fabric allows for a site that is clear of unwanted growth and easier to maintain. As reliably as Plantex® Platinum performs, regular inspection including of any overlap seams, is also important.

---

### Product features

- Proven effectiveness, now with even further advanced technology
- Only a single application required, with minimal maintenance
- Long-term peace of mind
- A chemical free solution to EU and UK regulations on herbicide reduction and elimination
- Enables healthy, stable and biodiverse soil as air, nutrients and water can pass through
- Strong and resistant to damage, tearing and fraying
- Fast and easy installation (clear and detailed guidelines should be closely followed)
- Lasts at least 35 years, according to the limited product warranty
- Available in widths of 2.50 m and 5 m (the latter is ideal for reducing seams on larger sites)
- Part of a holistic system for root and rhizome control

### Product Description

- Colour: Black
- Polymer: 100 % polypropylene, UV-stabilized
- Fibre type: High-tenacity continuous filament
- Bonding type: Heat point bonded
- Product Safety: No influence on human health or the environment



Properties	Test method	Unit	Mean Value
Product Description			
Basis weight	EN ISO 9864	g/m <sup>2</sup>	240
Thickness under 2 kN/m <sup>2</sup>	EN ISO 9863-1	mm	0.64
Hydraulic characteristics			
Water permeability $V_{I_{H50}}$	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	61

\* 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 affect when tested according to:

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

## Product dimensions

Plantex® Platinum	2 x 50 m	2.5 x 50 m	5 x 50 m
	1 x 100 m	2 x 100 m	5 x 100 m





# Plantex® Platinum Solar

## Weed protection for energy plants and other sensitive technical installations from weeds

Solar farms and other technical installations face particular challenges from unwanted vegetation because the collectors, or other devices, must be kept clear in order to maximise UV harvesting. That's where Plantex® Platinum Solar comes in: a special version of the high-performance landscape fabric with excellent UV resistance. Plantex® Platinum Solar has a discreet dark green colour and can be left uncovered after installation.

The fabric offers high-tensile strength and excellent durability, including resistance to tearing, fraying, and

crucially to degradation by UV light, making it the ideal solution for such important renewable energy resources. Plantex® Platinum Solar also eliminates the need for toxic herbicides, while its water and air permeability help to maintain soil health, stability and drainage. The dependability of the product has been demonstrated in multiple field tests, over many years.

---

### Product features

- Proven performance with immediate effectiveness and long-term reliability
- Only a single application required, with minimal maintenance
- Intrinsically strong and highly resistant to UV degradation, damage, tearing and fraying
- A chemical free solution for EU and UK regulations on herbicide reduction
- Enables healthy, stable and biodiverse soil as air, nutrients and water can pass through
- Fast and easy installation (clear and detailed guidelines should be closely followed)
- Limited 8-year product warranty (uncovered)
- Available in widths of 2.50 m and 5 m (the latter being ideal for reducing seams on larger sites)

### Product Description

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



Properties	Test method	Unit	Mean Value
Product Description			
Basis weight	EN ISO 9864	g/m <sup>2</sup>	240
Thickness under 2 kN/m <sup>2</sup>	EN ISO 9863-1	mm	0.64
Hydraulic characteristics			
Water permeability V <sub>IH50</sub>	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 <sub>90W</sub>	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 affect when tested according to:

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

## Product dimensions

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

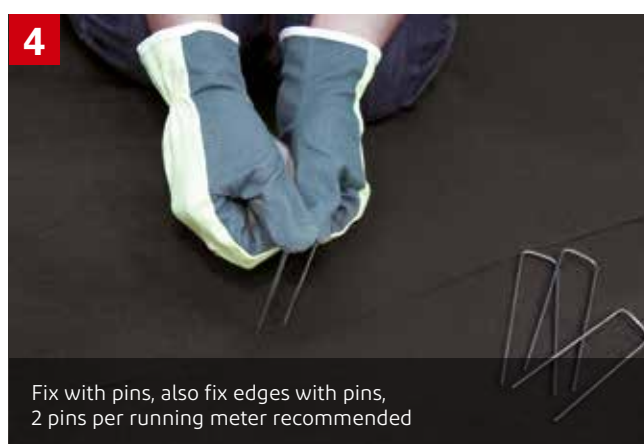
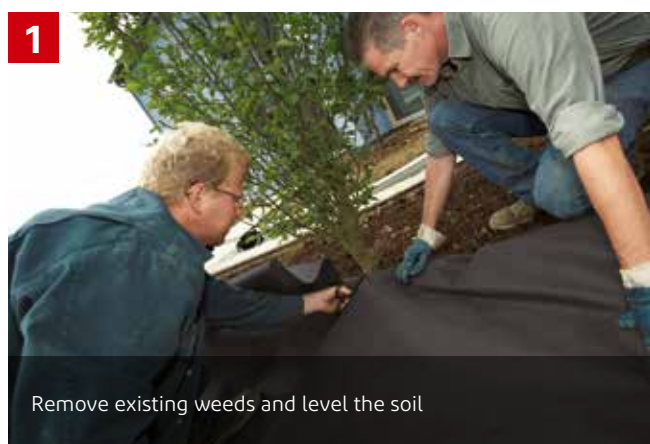
# How to install Plantex® weed control products



## IMPORTANT!!

Visit [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com) for specific installation instructions for Plantex® Platinum and Plantex® Platinum Solar.

## Quick and easy installation











# Root control solutions

It is in the nature of all root and rhizomes systems to grow and spread in search of the nutrition they need, seeking both water and the healthiest soils. However, plants differ in the behaviour of their root systems and if not properly managed or contained can cause costly damage. Proper attention is needed whether the risk of spread is from domestic or invasive plants, and whether from weeds or trees.

Furthermore, it is not appropriate to resort to herbicides to control root spread and prevention is always better – and cheaper – than cure. It is therefore essential to invest in intelligent protection against expensive repairs or the resolution of damage to infrastructure, be that new build or existing. Unchecked roots can disrupt services such as pipes and tubes and structures from roads and pathways to boundary walls and the foundations of buildings.

The root control products developed by DuPont have been very carefully tested and offer the kind of performance and quality that can be counted on.

DuPont™ Plantex® solutions:

- Plantex® RootBarrier
- Plantex® RootProtector



# Plantex® RootBarrier

## Protection against uncontrolled spreading of plant roots

Plantex® RootBarrier is the ideal solution to control plants with aggressive root systems such as bamboo and pyracantha. It is particularly recommended for critical

applications such as protecting buried linear networks: cables, water piping, pavements, paved areas, roads, water and sewage networks.

---

### Product features

- 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 herbaceous, mint, raspberries, blackberries
- Mechanical and water barrier to roots
- Stable in all types of soil (acid and alkaline)
- Quick and easy installation: can be cut to required dimensions by scissors or cutters
- Rot resistant
- Recyclable

### Product Description

- Colour: grey/green
- Polymer: 100% polypropylene
- Density: 0.91
- Melting point: 165° C
- Fibre type: continuous filaments with an impermeable membrane
- Bonding: thermal
- Safety: causes no damage to human health or the environment



Properties	Test method	Unit	Mean Value
Product Description			
Basis weight	EN ISO 9864	g/m <sup>2</sup>	325
Thickness under 2 kN/m <sup>2</sup>	EN ISO 9863-1	mm	0.8
Hydraulic characteristics			
Water permeability VI <sub>H50</sub>	EN ISO 11058	mm/s*	20
Mechanical characteristics			
Tensile strength	EN ISO 10319	kN/m <sup>2</sup>	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
	2x 100 m			

# Plantex® RootProtector

## The most water-permeable root barrier

Plantex® RootProtector is a water-permeable root barrier, ideal for horizontal installations such as cycle tracks and forest trails. Thoroughly tested in accordance with CEN/TS14416, Plantex® RootProtector delivers a high resistance to root penetration and exceeds the alternative perforated or needle punched solutions that are available today thanks to its unique material composition. 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.

---

### Product features

- Water permeable
- Unique technology
- Better root resistance acc. To CEN/TS14416
- Easy to install

### Product Description

- Colour: dark grey
- Polymer: 100% polypropylene
- Density: 0.91
- Melting point: 165° C
- Type of fibres: continuous filaments
- Fibre bonding: thermal bonding

---

For critical applications such as protecting buried linear networks or where plants have rhizome systems, the

use of Plantex® RootBarrier, impermeable root barrier is recommended.





Properties	Test method	Unit	Mean Value
Product Description			
Basis weight	EN ISO 9864	g/m <sup>2</sup>	260
Thickness under 2 kN/m <sup>2</sup>	EN ISO 9863-1	mm	0.6
Hydraulic characteristics			
Water permeability $V_{I_{H50}}$	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	50
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 affect when tested according to:

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

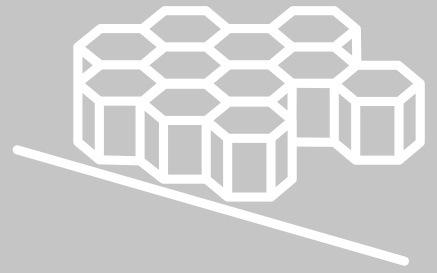
Resistant against roots according to CEN/TS 14416

## Product dimensions

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







# Surface stabilisation solutions

When quality means stability: any pathway, pavement, driveway, car park or leisure track should offer the confidence of a firm foundation and the Plantex® family contains ingenious solutions that can enhance such peace of mind. As with all Plantex® products these have been carefully engineered to be both easy to work with and to offer lasting performance that dispenses with the need for chemicals while also minimising maintenance.

Improving drainage and filtration – and flexible enough to suit many different applications or type of surface covering – these products make a core contribution to a successful landscaping project, whether for public enjoyment or private use.

These solutions from DuPont are:

- Plantex® Geoproma®
- Plantex® GroundGrid®



# Plantex® Geoproma®

## The ideal solution for stabilisation and filtration problems

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. Plantex® Geoproma® ensures your construction stays even- for a long time. Its filtration characteristics ensure continuous drainage. It is chemically inert, does not deteriorate and is environmentally friendly.

In case of pedestrian, car traffic or parking lots, Plantex® Geoproma® is used as a separator & stabilisation layer. Thanks to its excellent water permeability property and based on its texturing and cross-section, it is clogging-free, so that the

efficiency of the drainage systems is improved. That means a decrease in the amount of gravel and an increase in the lifetime of the structure.

For sidewalks or temporary used roads, Plantex® Geoproma® is used as a separation layer between the subsoil and the gravel / crushed stones. It prevents crushed stones or gravels to be pushed into subsoil and simultaneously prevents weeds to access from the subsoil to the surface. Additionally, it enhances the bearing capacity of the road and does not block the moisture to go to the soil thanks to its water permeability.

---

### Product features

- Strong stabilizer and layer separator, helps ensure that structures stay flat for a very long time
- Perfect filter
- Easy to install, light weight rolls are easy to carry and transport
- Easy to cut by using scissors/knife
- Saves aggregate and avoids the loss of bedding into the subsoil
- Can be covered with many different materials (paving slabs, gravel, sand...)

### Product Description

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



Properties	Test method	Unit	Mean Value
Product Description			
Basis weight	EN ISO 9864	g/m <sup>2</sup>	90
Thickness under 2 kN/m <sup>2</sup>	EN ISO 9863-1	mm	5.0
Hydraulic characteristics			
Water permeability $V_{H50}$	EN ISO 11058	mm/s	100
Mechanical characteristics			
Elongation at break	EN ISO 10319	%	40
Tensile strength at 5% elongation	EN ISO 10319	kN/m	2.6
Energy absorption	EN ISO 10319	kJ/m <sup>2</sup>	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

### Durability

No affect 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	

# Plantex® GroundGrid®

## The ideal combination of ground stabilisation, confinement and drainage

Plantex® GroundGrid® is a strong, three-dimensional and permeable geotextile with an innovative honeycombed cellular structure. It is used to confine aggregate, stone, gravel or soil to deliver a firm and stabilised surface for both pedestrian and trafficked areas in a much more durable and effective way than loose laying. It also enhances drainage, as the advanced non-woven structure permits rain water to pass through both horizontally & vertically, thereby preventing the pooling of water or localised flooding that can otherwise occur during heavy rain fall.

Minimising gravel migration and wheel rutting, Plantex® GroundGrid® offers high tensile strength, is ideal for curved or tortuous paths and also highly suited to uneven terrain or to the passage of wheelchairs, prams, buggies, bicycles, motorcycles, and even high heels! Supplied in tightly packed concertina form, Plantex® GroundGrid® is lightweight and easy to expand, cut to size on site, and install.

---

### Product features

- Light weight but high strength material
- Water permeable in all directions
- Helps to create drained surfaces
- Minimizes risk of flooding by reducing surface rainwater runoff
- Flexible material: Ideal for curved or winding pathways
- Supports occasional light traffic
- Easy to transport as product is folded
- Does not deteriorate
- Rot resistant

### Product Description

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





Properties	Test method	Unit	Mean Value
Product Description			
Diameter of the cells		mm	55
Basis weight	EN ISO 9864	g/m <sup>2</sup>	190
Thickness under 2 kN/m <sup>2</sup>	EN ISO 9863-1	mm	0.54
Hydraulic characteristics			
Water permeability VI <sub>H50</sub>	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 <sub>90W</sub>	EN ISO 12956	µm	80

For a cell diameter of 55 mm, gravel in the range of 8/16 (or similar) is recommended.

## Durability

No affect when tested according to:

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

## Product dimensions

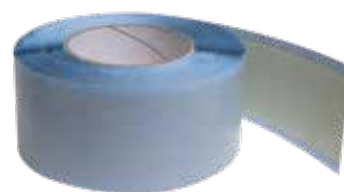
	55 x 50 mm	1.25 x 8 m
Plantex® GroundGrid®	For larger projects, other sizes on request.	

# Plantex® accessories

## PLANTEX® TAPE

Plantex® Tape is a solvent free rubber resin based hotmelt adhesive. It allows for perfect jointing through polymerization of the adhesive. It is specifically recommended with Plantex® RootBarrier in order to obtain perfectly closed joints that will prevent the propagation of roots and rhizome systems. It can also be used with all other Plantex® products except Plantex® Platinum & Plantex® Platinum Solar.

Size: 50 mm x 10 m



## PLANTEX® PERFORMANCE TAPE

Plantex® Performance Tape is a double-sided adhesive Butyl sealing tape consisting of a butyl rubber adhesive compound. Plantex® Performance Tape has a high immediate tack and excellent adhesion onto Plantex® weed control products, especially Plantex® Platinum.

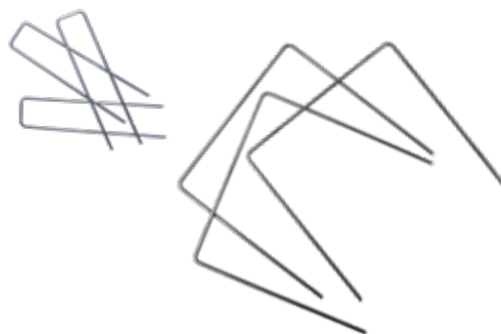
Size: 100 mm x 30 m



## PLANTEX® ANCHOR PINS

Simple metal pins that allow easy fixation of overlapping Plantex® sheets without tools. They can be used on all Plantex® products except Plantex® Platinum.

Size: ± 15 cm x 3 cm - 20 cm x 20 cm



Visit **[www.plantexproupon.com](http://www.plantexproupon.com)**

- for product specific installation instructions
- \* for your warranty terms and conditions

Avoid any contact of the product with any kind of  
pesticides, especially herbicides

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

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

