



# Plantex<sup>®</sup> Platinum

The optimum solution to invasive neophytes and weeds





Invasive Neophytes are plants, alien to an area, which have been introduced to that area by human activity.

There is a danger that they may compete with local flora and consequently displace indigenous species, and that this might lead to economic or health-related problems. In particular, the stalks of the Japanese knotweed (*Fallopia japonica*) are a major problem and challenge on account of their extensive rhizomic system. It can reach a depth of 2 to 3 metres, depending on the soil and soil structure. The spread of the Japanese knotweed usually takes place via its rhizome parts; these can be distributed with every movement of the soil. The containment of the rhizomic system is therefore of utmost priority.

- Proven effectiveness
- 

- Chemical-free application
- 

- Easy & fast installation
- 

- An ecologically friendly solution, since the fabric is permeable to water and air
- 

- A low-cost alternative to mechanical treatment or soil replacement
- 

- Long-term solution
-

# Benefits

## DuPont™ Plantex® Platinum prevents the growth of invasive neophytes and weeds

Plantex® Platinum is designed for near-surface applications with a coverage of 20 cm. Thanks to its intrinsic strength, Plantex® Platinum withstands even aggressive weeds and delivers the protection demanded. Its effectiveness in controlling weeds has been proven in multiple tests carried out by DuPont scientists over many years at many locations in natural environments. Total weed containment using a fabric is, however, not feasible. Regular inspection, also at the overlap seams, contributes to the effectiveness of the system. This is ensuring early detection of any growth through the fabric, allowing appropriate action to be taken.

## Plantex® Platinum works immediately and is suitable for long-term, low-maintenance use

Once Plantex® Platinum is properly installed on an area contaminated with invasive plants, it works for several years. The site remains free, clean and is visually completely unobtrusive. In contrast, the use of chemicals or mowing works for a limited time, and regular interventions are necessary.

## Plantex® Platinum fulfills all key directives

The use of herbicides is increasingly regulated and restricted in the EU. A complete ban is likely in the near future. Plantex® Platinum is already today's economical, ecological and aesthetic solution to protecting sensitive areas such as drinking-water zones.

## Plantex® Platinum has no effect on the natural soil properties

Although it provides an effective barrier against invasive plants, Plantex® Platinum remains permeable to air and water. It thus respects the natural balance of the soil and maintains its biodiversity. Equilibrium moisture content means that soil strength is maintained, thus inhibiting occurrences such as landslides or soil subsidence. Furthermore, there is no need for drainage management of the covered area. Plantex® Platinum thus provides a natural solution in every respect.

## Plantex® Platinum is quickly and easily installed

Plantex® Platinum is available in widths of 1, 2, 2.5 and 5 m. The 5-metre width is particularly valuable when large areas have to be covered, as fewer seams then need to be joined. Compared to plastic sheeting, the product has outstanding tensile strength (even when deliberately torn), which is very important, especially during the installation. To ensure optimum effectiveness, the appropriate installation instructions must be followed ([www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)).

## Plantex® Platinum is part of an overall solution

Experts know how difficult it is to eradicate Japanese knotweed. For this reason, DuPont offers a combination of high-performance products and the recognized expertise to deliver a complete solution to the plague of invasive plants: Plantex® Platinum was developed for above-ground control of plants. It comes with detailed installation instructions which must be adhered to, and with a workmanlike system for the joining of adjacent sheets. Only by combining these integrated products can invasive plants be reliably combated. For containment of roots and the rhizome system, refer to the Plantex® root-containment solutions. Plantex® Platinum is an economical alternative to intensive mowing, long-term grazing or complete excavation of the affected areas.



Installation of Plantex® Platinum

Properties	Test method	Value
Product Description		
Basis weight	EN ISO 9864	240 g/m <sup>2</sup>
Thickness under 2 kN/m <sup>2</sup>	EN ISO 9863-1	0.64 mm
Hydraulic characteristics		
Water permeability V <sub>I<sub>H50</sub></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
Opening size O <sub>90W</sub>	EN ISO 12956	60 µm

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

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

Stability	
UV Resistance	> 8 years in the temperate climate zone of Central Europe *
Humidity	No moisture absorption
Does not rot	
Resistance to naturally occurring acids and bases	Unaffected
Microbiological resistance - EN 12225	Satisfied

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

- Avoid any contact of the product with any kind of pesticides, especially herbicides.
- Visit [www.plantexpro.dupont.com](http://www.plantexpro.dupont.com):
  - \* for warranty terms and conditions
  - for specific installation instructions for Plantex® Platinum



DuPont de Nemours (Luxembourg) S.à.r.l.  
L-2984 Luxembourg  
[www.plantexpro.dupont.com](http://www.plantexpro.dupont.com)

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. 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.