



DUPONT™ PLANTEX® PLATINIUM

The optimum solution to invasive neophytes and weeds

Why is Plantex® Platinum the ideal answer to expensive and damaging weed problems? Invasive neophytes are plants, alien to an area, which have been introduced to that area by human activity. They can compete with local flora, displacing indigenous species, they can cause structural problems or affect property values. Invasive Neophytes can also negatively impact health in certain cases. The stalks of the Japanese knotweed (*Fallopia japonica*) are a major environmental problem and a particular challenge due to their extensive rhizomic system. This can reach a depth of 2 to 3 metres, depending on the soil and its structure. The spread of Japanese knotweed usually occurs via its rhizomes and these can be distributed with every movement of the soil. Robust containment of the rhizomic system is therefore an utmost priority.



Benefits

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

Plantex® Platinum is designed for near-surface applications with a coverage of minimum 20 cm. Thanks to its intrinsic strength, Plantex® Platinum withstands even the most aggressive weeds to deliver the reliable protection demanded. Its effectiveness in controlling weeds has been demonstrated in multiple tests carried out by DuPont scientists, over many years and in many natural environments. Such testing has now resulted in further advances in the fabric's manufacturing technology, ensuring even greater resistance. As reliably as Plantex® Platinum performs, the most effective weed containment programme also requires regular inspection, including at the overlap seams of the installation, to ensure early detection of any areas of penetration, and allowing appropriate action to be taken.

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

Once Plantex® Platinum has been correctly installed on an area contaminated with invasive plants, its benefits can be appreciated both immediately, and for many years to come. Visually unobtrusive, the fabric allows for a site that is not only clear of unwanted growth, but one that is also easier to maintain. In contrast, herbicidal, or mechanical methods such as mowing, work only for a limited time and regular intervention will be necessary.

- ✓ Proven effectiveness
- ✓ Chemical-free application
- ✓ Easy & fast installation
- ✓ Enhanced manufacturing technology for even greater protection
- ✓ An ecologically friendly solution, as the fabric is permeable to water and air
- ✓ A low-cost alternative to mechanical treatment or soil replacement
- ✓ Long-term peace of mind



Installation of Plantex® Platinum



Installation of Plantex® Platinum

Plantex® Platinum fulfills all key directives

The use of herbicides is increasingly regulated and restricted in the EU and a complete ban on certain types of products is likely in the near future. Plantex® Platinum is already renowned as the economical, ecological and aesthetic solution to protecting sensitive natural areas, for example drinking water resource zones.

Plantex® Platinum has no effect on the soil's natural properties

Although it provides an effective barrier against invasive plants, Plantex® Platinum remains permeable to air and water, thereby respecting the natural balance of the soil and maintaining its biodiversity. Equilibrium of moisture content means that soil strength is preserved, thereby inhibiting landslides or subsidence. Furthermore, the fabric eliminates the need for drainage management within the covered area. Plantex® Platinum offers the more natural solution to a variety of challenging problems, in every respect.

Plantex® Platinum is quickly and easily installed

Plantex® Platinum is available in widths of 2.50 m and 5 m. The 5-metre width is particularly valuable for covering

large areas, by reducing the number of seams that need to be joined. Compared to plastic sheeting, the product has outstanding tensile strength, which is a vital property, especially during installation. To ensure optimum effectiveness, the appropriate installation instructions must be followed, and sections joined either by using Plantex® Performance Tape or a thermal welding method. (www.plantexpro.dupont.com)

Plantex® Platinum is part of a holistic and comprehensive solution

Experts know how difficult it is to eradicate Japanese knotweed. For this reason, DuPont offers a combination of high-performance products designed to work together, and the recognised expertise to deliver a complete solution to the scourge of invasive plants. One of the many innovative elements in this offering, Plantex® Platinum was specifically developed for above-ground control of plants. It comes with detailed installation instructions which should be closely followed for effective results, including a careful process for the joining of adjacent sheets. Invasive plants can be reliably combatted only if the appropriate products and the correct workmanship combine effectively to create a holistic system. Professionals should consider also applying Plantex® root control solutions to successfully contain both roots and rhizomes (www.plantexpro.dupont.com)



Properties	Test method	Mean Value
Product Description		
Basis weight	EN ISO 9864	240 g/m ²
Thickness under 2kN/m ²	EN ISO 9863-1	0.61 mm
Hydraulic characteristics		
Water permeability VI H50	EN ISO 11058	15 mm/s
Mechanical characteristics		
Tensile strength	EN ISO 10319	18 kN/m
Elongation at break	EN ISO 10319	45 %
Tear resistance	ASTM D4533	550 N

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



Stability	
UV Resistance	at least 3 years in the temperate-climate zone of Central Europe acc. to the limited product warranty **
Humidity	No moisture absorption
Does not rot	
Resistance to naturally occurring acids and bases	Unaffected
Microbiological resistance - EN 12225	Satisfied

Dimensions	
• 2.5x50 m	• 5x50 m
• 2.5x100 m	• 5x100 m

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

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.

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