



BEST QUALITY GEOTEXTILE

# NAPTEX

## 6 REASONS TO USE GEOTEXTILE NAPTEX

Stabilizes soil

Performs separation & filtration functions to prevent mixing of soil and gravel

Easy and inexpensive transport thanks to practical size

Simplifies handling and assembly thanks to ideal dimensions

Very easy to process with knives or scissors

Does not absorb water

# GEOTEXTILE NAPTEX



Naptex is a non-woven, thermally bonded, 100% polypropylene geotextile. Very resistant to tearing, chemical compounds and alkalis occurring in the ground. It has got wide range of applications. Its key functions are separation, filtration, ground reinforcement and stabilization. These properties make it multifunctional in many applications. It is highly resistant for damage during installation.

## FILTRATION AND DRAINAGE

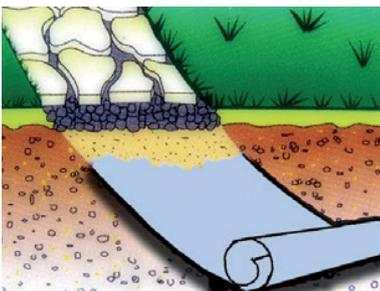
Protects drainage, filters water and separates drainage aggregate. In the strip drain, the foundation protects the insulation against damage and the collecting system (pipes and gravel) against silting. Separates the thermal insulation layer from gravel simultaneously stabilizing the ground of the terrace or roof

## SEPARATION AND REINFORCEMENT

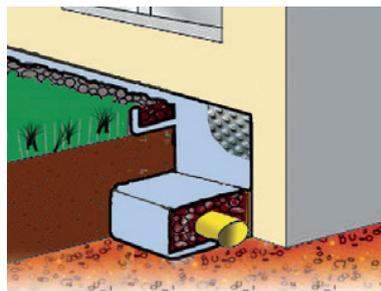
Geotextile Naptex reinforces the ground providing the stability on roads, pavements, driveways and parking lots using water filtration. Improves the load-bearing capacity of the soil. It is perfect for paving stones and pavement slabs.

Most frequent widths:

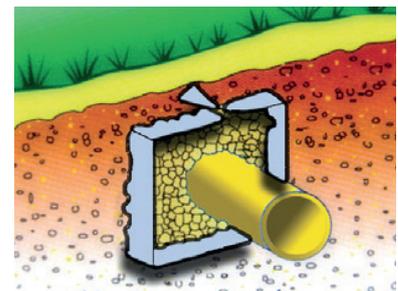
- 0,5m
- 1,00 m
- 2,00 m
- 2,50 m



1. Pavements, alleys, paths  
It prevents the layers of the substructure from mixing with the native soil, increasing its stability and load-bearing capacity, at the same time protecting against overgrowth of roots and weeds



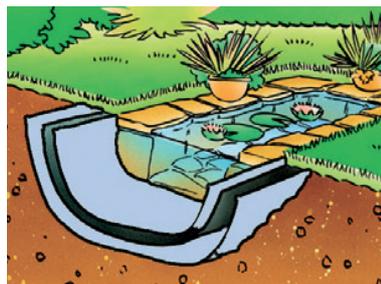
2. Drainage of foundation walls  
In the strip drain, the foundation protects the insulation against damage and the collecting system (pipes and gravel) against silting.



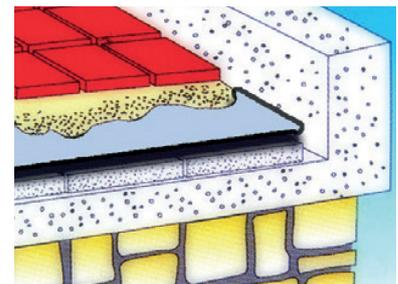
3. Irrigation drainage, leachate drainage  
Protects the drain, filters the water and separates the aggregate around the drainage pipe from the fine soil particles.



4. Driveways and parking facilities  
It strengthens ground ensuring proper stability of roads, pavements and floors while maintaining water filtration. It is perfect for paving stones and paving slabs.



5. Garden ponds, swimming pools  
Protects the liners against puncture by stones and roots.



6. Terraces  
Separates the thermal insulation layer from gravel, stabilizing the floor at the same time.

## PRACTICAL INFORMATION

The production method of NAPTEX (thermal welding of continuous fibres) gives a lot of benefits:

- easy and cheap to transport
- the rollers are cut quickly and easily (with knives, scissors and saws)
- does not absorb water, there is no sponge phenomenon. It is easy to manipulate even when it rains



## ADVANTAGES

- high energy absorption capacity
- high initial stiffness modulus
- high elongation at break (up to 50%)
- long-term filtration (resistance to clogging)
- high homogeneity of the material structure



**PALLETISING POSSIBLE  
SALES IN CARTONS**

TECHNICAL DATA		
	NAPTEX 100	NAPTEX
Weight	90 - 110 g / m <sup>2</sup>	90 g / m <sup>2</sup>
Material	Polypropylene	Polypropylene
Tensile strength (EN ISO 103019)	5,1 kN / m <sup>2</sup>	5,1 kN / m <sup>2</sup>
Resistance to dynamic puncture (EN 13433)	40 mm	48 mm
Static puncture resistance (CBR test) (EN ISO 12236)	0,8 kN	0,8 kN
Characteristic opening size (EN ISO 12956)	180 µm	180 µm
Water Permeability / Velocity index (EN ISO 11058)	0,07 m / s	0,095 m / s

CONFECTIONNING	
WIDTH	LENGTH
0,20 m	25; 50; 80; 100; 150; 250; 250; 300 m
0,25 m	
0,30 m	
0,40 m	
0,50 m	
0,60 m	
1,00 m	
1,50 m	
2,00 m	
2,50 m	

\* Other dimensions – upon special request





**WATERPROOFING**

**TECHNOLOGY**

**EXPERIENCE**

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