

Data Sheet / Specification

Nicospan Vertical Bank Protection

- High-quality and economical erosion control
- Light weight and easy to install
- Good permeability and soil retention
- Allows the establishment of vegetation through the fabric
- UV stabilised and resistant to attack from chemicals



Installation

Nicospan is installed on posts driven at 0.5 m to 0.75 m centres, dependent on the soil conditions and surcharge. While it is suitable for retaining soil, care should be taken in selecting the appropriate stake type and length. Timber posts used with Nicospan should be of smooth, round softwood, machine dressed and pointed, with a diameter of 75-100 mm (max).

Posts should be pressure treated to BS 4072. Scaffolding poles can also be used but they must be free of burrs which could tear the fabric. They are more suitable for sites where rocky bed conditions may be encountered. The length and spacing of posts will depend on soil conditions, this is not always straight forward but the table below may be used as a guide.



Nicospan has been designed specifically for vertical bank protection. It can provide a high-quality and economical form of erosion control.

It is a prefabricated, double weave revetment fabric made from strong UV stabilised monofilament yarns and has pockets, each 220 mm wide, so that 100 mm (max) diameter posts can be placed into them. Nicospan is available in 100 metre long rolls and standard widths of 0.5 m and 1.0 m. Nicospan is easily installed without special equipment. It is especially useful where access to the bank is limited; it is the ideal low cost bank protection for use in streams, small watercourses, lakes and ponds.



Technical data

CONSTRUCTION		
Construction type	Woven	
Raw materials	polyethylene	
MECHANICAL PROPERTIES		
Length direction		
Nominal tensile strength	65 kN/m	EN-ISO 10319
Elongation at nominal strength	25%	EN-ISO 10319
Cross direction		
Nominal tensile strength	40 kN/m	EN-ISO 10319
Elongation at nominal strength	20 %	EN-ISO 10319
Static puncture (CBR)		
Push-through force	6 kN	EN-ISO 12236

HYDRAULIC AND FILTER PROPERTIES		
Water flow at $\Delta h = 100$ mm	500 litre/m ² s	NEN 5167
Opening size 090	760 micron	NEN 5168
PHYSICAL PROPERTIES		
Mass per unit area	270 g/m ²	EN 965
Thickness (2 kN/m² pressure)	1.1 mm	EN 964-1
Roll width	0.5 / 1.0 m	
Roll length	100 m	

Height of Nicospan	Length of posts	Post spacing	Post diameter
0.5 m	1.67 m	0.75 m	75 mm
1.0 m	2.44 m	0.50 m	85-100 mm