

AFITER®

An erosion-prevention range for all situations

TECHNOLOGY

Afitexinov uses « warp knitting » machines to produce a range of geogrids that are especially designed to hold back soil, confine rock and facilitate greening. The technology used ensures the dimensional stability and solidity of the grids which can incorporate several components for maximum efficiency.

Erosion effects should be analyzed and taken into account from the earliest stages of design :

- » **Safety aspect** : erosion may compromise the stability of the works or the safety of users.
- » **Environmental aspect** : the appearance of the works and its environmental integration are dependent on the erosion prevention solution adapted. The anti-erosion geogrids allow to build steeper slopes, reducing the volume of earthworks.

SECURITY & QUALITY

Safety function due to the fundamental qualities of Afitexinov geogrids :

- » **Durability** : geogrids made of UV-stabilized polyethylene, are non-corrodible and ensure long-term soil retention. Other fibres (polyester, polypropylene, cotton...) can be associated.
- » **Flexibility** : the flexibility of the products means they follow the contours of the underlying ground, preventing the formation of voids at the grid-support interface. The rolls are light and easy to install.
- » **Strength** : the Afitexinov technology produces geogrids with high tensile strength (25 to 100 kN/m) for reinforcing walls and steep slopes. For maximum effect these geogrids can be associated with reinforcing NOTEX® or GEOTER® geotextiles.

ENVIRONMENT

- » **Reduction of earthworks** : the use of Afitexinov's erosion-prevention systems allows to reduce the earthworks by the creation of steeper slopes.
- » **Environmental impact** : greening is facilitated immediately after the end of the installation of the geogrid (by means of hydroseeding ...). Geogrids may include natural and biodegradable fibres depending on the required applications (cotton, linen etc.).

Recommended for :

- Erosion control
- Greening
- Safety

» Landfills and basins capping

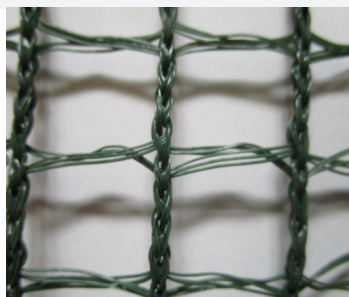


» Reduction of earthworks



» Increasing of slopes





AFITER® 1D



AFITER® 1D Cotton



AFITER® 2D



AFITER® 3D

INNOVATIVE AND HIGH PERFORMANCE SOLUTIONS

AFITER®	Mechanical properties Tensile strength (**)		Descriptive features				
Prod.	At break MD	At break CD	Mass per unit area	Φ roll	Roll width	Roll length (*)	Gross weight pf the roll
Standard	NF EN ISO 10319		NF EN ISO 9864				
Unit	kN/m	kN/m	g/m ²	cm	m	m	kg
AFITER® 1D	10	1	140	33	3	100	50
AFITER® 2D 50	50	10	195	29	3	100	65
AFITER® 2D 100	100	25	295	34	3	100	95
AFITER® 3D 100	100	20	365	60	3	100	115
AFITER® 3D 200	200	35	545	62	3	100	170

MD = Machine Direction, CD = Cross Direction

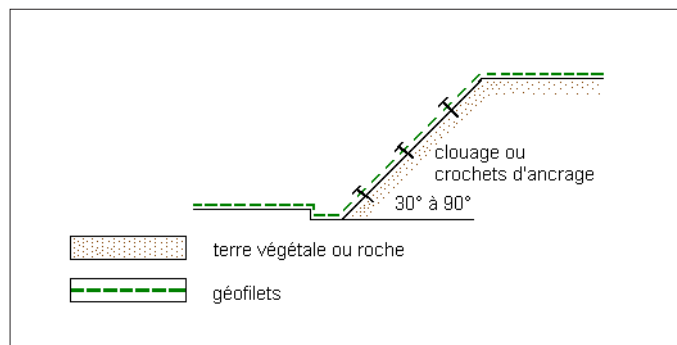
(*) Standard length. Other length on request.

(**) Tensile strength at break : min value.

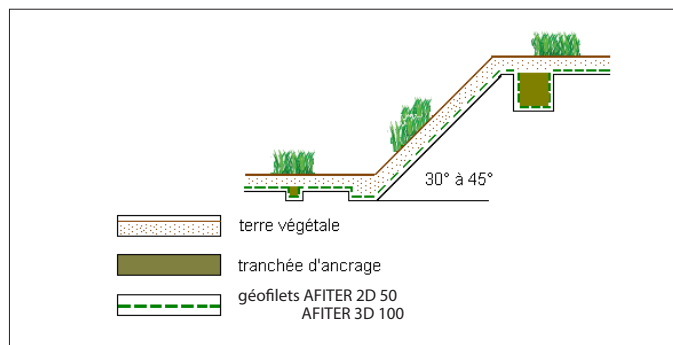
Specific requests : other qualities according to building sites needs.

EXAMPLES FOR SETTING UP

» With anchorage hooks



» With anchorage trench at top of the slope



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