

Viresco[®] **Sator**

The pre-seeded biotextile
of natural origin,
100% biodegradable
for grass coverings
and erosion control

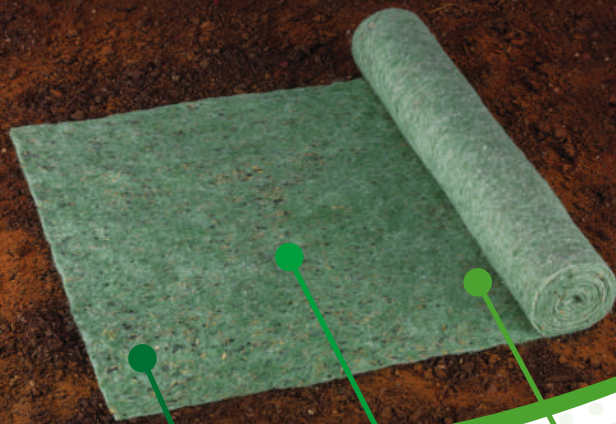
Ideal for:

- ✓ Escarpments and slopes
- ✓ Road and railway constructions
- ✓ Hydraulic structures
- ✓ Reinforced soil slopes
- ✓ Landscaping architecture
- ✓ Landfills and reclamations

Virens

Make the Planet Green!

Viresco® Sator



Viresco® Sator is a pre-seeded biotextile ideal for grass covering interventions and control of the erosion, caused by rains and run-off waters, on terrain and escarpments, even on steep slopes.

It is a fully biodegradable felt, made up of cellulose fibres containing first quality grass seeds that can be customised according to the context of use. Furthermore, the biotextile contains granular fertilizers intended to increase the development of the grass surface in the new settlements. It may also contains soil conditioners to optimize the ground conditions.

Produced without using glues, nets, fibres or synthetic films, Viresco® Sator is a natural solution for the growth of plants even in the most critical situations.

Thanks to its soft green colour, it perfectly integrates into the landscape until the vegetation is completely settled.

Seeds and fertilizers are precisely and evenly distributed in the biotextile weft, firmly kept inside even in case of extreme weather events.

Viresco® Sator pre-seeded biotextile: erosion control and soil regrassing in a single solution.



Cellulose fibres



First quality seeds



First quality fertilizers



BEFORE



AFTER

Some of the advantages offered by Viresco® Sator



Versatile

It adapts to the characteristics and dimensions of each surface, and ensures protection against erosion events and widespread wash-out.



Light

It is easy to lay down even in places difficult to reach (approx. 20 Kg per 100 square metres).



Low carriage costs

A truck can carry about 40,000 square metres of Viresco.



Thin and elastic

Thanks to its thickness of just 3 mm, it adheres perfectly to the ground, and can be easily cut and shaped using simple domestic scissors, without recourse to specialised manpower.



Continuous innovation

Technical improvement thanks to the collaboration with professionals and research institutes.

Quick installation guide in four simple steps

Full instructions available for download at virens.com



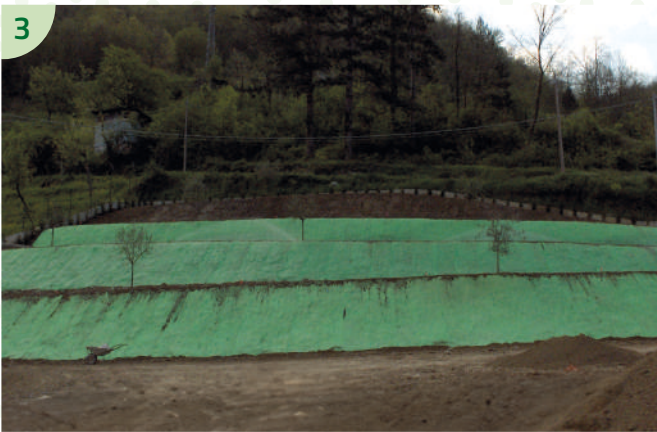
1. SOIL PREPARATION

Remove any stones and vegetation by the roots and level the ground.



2. APPLICATION

Lay down the biotextile and anchor it to the ground.



3. IRRIGATION

Water until the grass has completely settled.



4. FINAL RESULT

Grass covering and surface protection thanks to Viresco® Sator.



Case History

Stages of construction of a rockfall protection structure made up of reinforced soils using Viresco® Sator, the pre-seeded biotextile.

Used in geotechnics, in the reinforced soils under geogrids and formworks, Viresco® excels as an unbeatable cover surface, holding the thin ground soil and able to cover with grass even extremely steep surfaces.



Technical data sheet

WEIGHT (UNI EN ISO 9864 Standard)	240 g/m ²
ROLLS SIZE (UNI EN ISO 10320 Standard)	50 m ² (h 73/110 cm, length 68.5/45.5 m) 100 m ² (h 110 cm, length 91 m) 150 m ² (h 220 cm, length 68.2 m)
ROLLS WIDTH (UNI EN ISO 10320 Standard)	73/110/220 cm
COLOUR	green (shade variations are available among the different lots)
COMPOSITION	cellulose fibres, seeds
THICKNESS (UNI EN ISO 9863 Standard)	3 mm
THICKNESS at 20 kPa (UNI EN ISO 9863 Standard)	1 mm
TENSILE STRENGTH (long.) (UNI EN ISO 10319 Standard)	0.98 kN/m
TENSILE STRENGTH (transv.) (UNI EN ISO 10319 Standard)	0.60 kN/m
ELONGATION AT RUPTURE (long.) (UNI EN ISO 10319 Standard)	43%
ELONGATION AT RUPTURE (transv.) (UNI EN ISO 10319 Standard)	125%
ADDITIONAL MATERIALS	granular fertilizers, soil conditioners, water absorbents
PACKAGING	plastic film
All the values which make reference to width, length and weight may be subject to a 7%-8% positive or negative variation. Biodegradation time: 4-5 months depending on the climatic conditions and on the ground type.	



To every
inclination a
proper solution

Recs Viresco

65°

Virmat

55°

Virmat L

45°

Viresco Sator

Viresco Pratens

Viresco Olus

Who we are

Virens was established in 1995 and benefits from thirty year of experience in the field of the production of textiles applied to the environment. Our company produces biotextiles, biomats, geomats and pre-seeded geocomposite material for erosion control, landscaping architecture, gardening and horticulture. Protection and regrassing of all types of soil.

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