

Technical Data Sheet **Viresco® Sator**

Biotextile made with totally biodegradable cellulose fibres of soft green colour, pre-sowed with high quality seeds of herbaceous species, granular fertilizers and soil conditioners, without using glues, nets, synthetic fibres or films.

It is used for the grassing of slopes and banks and for the control of erosion caused by rains and water flows on terrains and even on steep slopes.

WEIGHT (UNI EN ISO 9864 Standard)	240 g/m ²
ROLLS SIZE (UNI EN ISO 10320 Standard)	<u>50 m²</u> (h 73/110 cm, lenght 68,5/45,5 m)
	<u>100 m²</u> (h 110 cm, lenght 91 m)
	<u>150 m²</u> (h 220 cm, lenght 68,2 m)
ROLLS WIDTH (UNI EN ISO 10320 Standard)	73 - 110 - 220 cm
COLOR	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 103219 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.



STORAGE ARRANGEMENTS

VIRESCO, supplied in rolls, must be moved paying attention not to damage the packaging. It must be kept in a dry place, protected from exposure to sunlight, away from flammable materials and sources of heat.

VIRESCO, kept dry in the packaging nylon, lasts approx. two years.

GUIDE LINES FOR INSTALLATION

Remove stones, plants and roots and turn over the first 10 cm of surface;

crumble the large clods and level;

roll out the biotextile without stretching it, making it lay down and adhere firmly to the ground, thanks also to irrigation water;

anchor it, by using U-shaped staples or stakes, at a variable distance depending on the inclination, on the characteristics of the place and the ground (approx. 1-2 anchorages per square meter);

overlaps usually are not necessary;

on slopes place **VIRESCO** approx. 30 cm beyond the ridge;

in case of horizontal laying, the overlap between adjacent rolls should be about 3-4 cm and can be made in a regular way, i.e. the upper roll overlapped to the lower one.

lay the biotextile with a temperature that is stably higher than 5° centigrade and less than 30°;

water daily, if possible, for the first 25-30 days, until the grass is completely settled.

On REINFORCED SOIL SLOPES

Lay down VIRESCO® under the formwork and any geogrids, arranging it so a 10-15 cm flap is created on the bottom and on the top of the formwork.

Pierce the biotextile to install the anchor ties.

Before placing the filling soil, approx. 30 cm of fertile vegetable soil should be laid down on the outside and gently compressed.

Carry on the setting up of the reinforced soil as usual.

According to the temperature and the daytime lighting, water frequently until the grass surface has completely settled.

VIRESCO® is a totally natural product, 100% biodegradable in a period which can vary from 4-5 months, depending on the ground type and on the environmental and climatic conditions.