

## RecsViresco pre-sowed geocomposite material

### TECHNICAL DATA SHEET

PRE-SOWED GEOCOMPOSITE MATERIAL with terrain stabilization and erosion control function, for protection from surface erosion and for escarpment sowing and regrassing. The geomat consists of a CE and EPD certified double twist wire mesh, with an 8x10 cm mesh and a 2.70 mm diameter steel wire, coated in **VIRESCO R.E.C.S.** (Reinforced Erosion Control System) zinc-aluminium eutectic alloy, or of a 6x8 cm wire mesh, coated in zinc-aluminium eutectic alloy, and the **RECSVIRESCO IDRO** ecological Polimac polymer. Those meshes are coupled during the production phase to a biotextile made of 100% biodegradable cellulosic fibres of natural green colour, pre-sowed with high quality herbaceous seeds suitable for soil and climate conditions, including granulated fertilizers for new settlements and soil conditioners, without using glues, nets, synthetic fibres or films.

The geomat is fixed using 30x7x30 cm or 40x7x40 cm, 6 mm diam., U-shaped iron staples, or 4 mm diam. TL-P 'curly' shaped galvanized steel pins, able to provide a 'pull-out' resistance of more than 39 kg on vegetable soils.

#### TECHNICAL DATA

##### Roll dimensions

<b>Height</b>	2.00 m
<b>Length</b>	50.00 m
<b>Weight</b>	1,800.00 g/m <sup>2</sup>

(Tolerance 0/+0.5 m length, ± 8 cm height, 150 g weight)

##### Wire mesh specifications

	Reference to the Standard	Unit of measure	<b>RECSVIRESCO</b>	<b>RECSVIRESCO IDRO</b>
Double twist hexagonal mesh	EN 10223-3	cm	8x10	6x8
Wire diameter	EN 10218-2	mm	2.70	2.20/3.20
Zn (95%) / Al (5%) alloy coating	EN 10244-2		Class A	Class A
Wire breaking load	EN 10223-3	N/mm <sup>2</sup>	350-550	350-550
Average tensile strength	EN 10223-3	kN/m	50	37
Nominal puncture resistance	EN 10223-3	kN/m	65	43
Corrosion resistance in SO <sub>2</sub> %	ISO 6988	cycles	> 28	> 28
Salt spray (5% of Dark Brown Rust)	ISO 9227	hours	> 1,000	> 6,000
UV Resistance (@ 2.500 hours) <sup>1</sup>	ISO 4892-3	%	-	< 25
Abrasion resistance <sup>2</sup>	EN 60229	cycles	-	> 100,000

<sup>1</sup> The mechanical performance of the base polymer after 2,500 hours of exposure to UV-A lamps (QUV-A testing) does not change more than 25% from the initial test results.

<sup>2</sup> Tested according to the procedure described in Section 4.1.2.1. of EN 60229 with a 20 N vertical force of the test wedge.

Lacing procedure can be carried out using the appropriate wire.

<b>Lacing wire</b>	ZN(95%)/AL(5%) alloy coating	2.20 mm	EN 10244-2
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### CE, EPD, BBA certified wire mesh

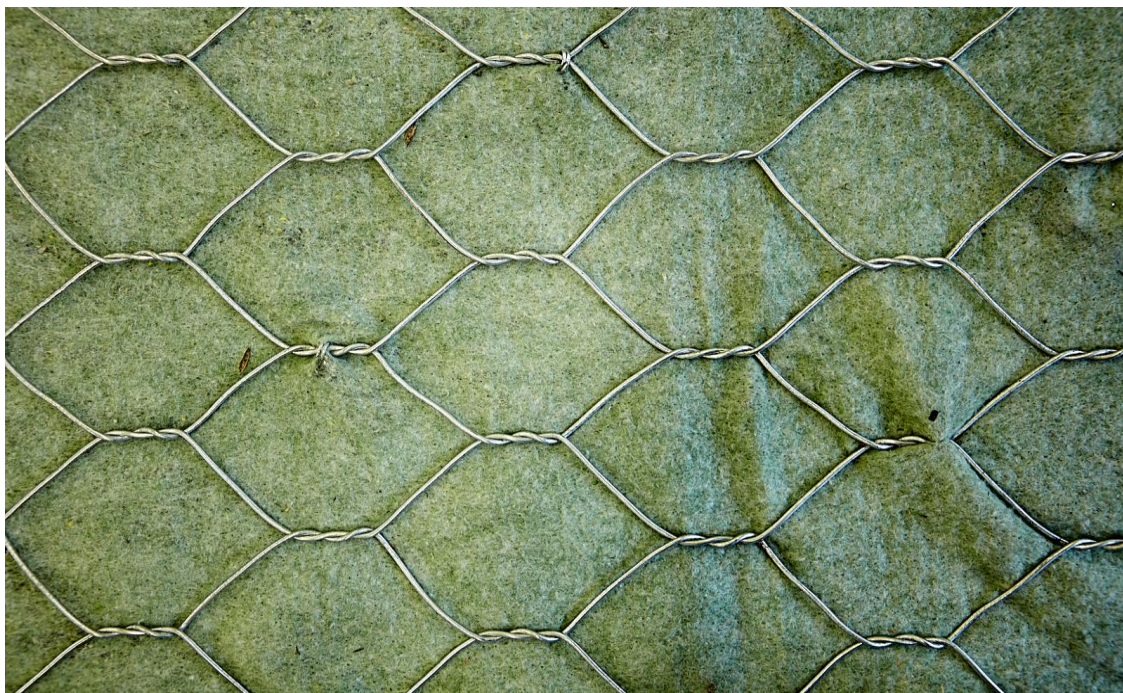
#### Pre-sowed biotextile specifications

	Reference to the Standard	Unit of measure	Value
Mass per unit area	UNI EN ISO 9864	g/m <sup>2</sup>	240
Thickness	UNI EN ISO 9863	mm	3.00
Colour	Green		
Composition	100% cellulose fibres, seeds*		
Additional materials	Fertilizers, soil conditioners, hydro-retentors		

\*All our mixtures of seeds are always designed to the customer's needs, all species are high quality varieties, with low growth habit to reduce the grass mowing.

The manufacturer, for the purpose of optimizing and improving the technical characteristics of the products, reserves the right to modify the product standards and specifications without notice. All information provided is given in good faith based on our experience; in any case, no responsibility for an incorrect design use of the mixtures can be ascribed to the manufacturer or its distributors.





**RECSVIRESCO**



**RECSVIRESCO IDRO**

## STORAGE METHOD

**RECSVIRESCO**, supplied in rolls, must be handled being careful not to damage its structure. It should be stored in a dry place, protected from sunlight exposure, away from flammable materials and heat sources. Once installed, it is advisable to cover it with vegetable soil.

**RECSVIRESCO**, if stored in a dry place inside its nylon packaging, has a product life of approx. two years.

## APPLICATION METHOD

Adjust the laying surface by removing any roots, stones or debris, re-shape and fill any voids with vegetable soil, level and compact lightly.

Lay down **RECSVIRESCO** when the temperature is steadily higher than 5 °C and lower than 30 °C.

On the slopes, dig a trench 60 cm beyond the ridge, 30 cm wide and 30 cm deep; (if necessary, arrange a second trench at the base of the slope to be covered).

Place **RECSVIRESCO** in the trench, fix it with U-shaped ribbed pegs approx. 40 cm long, cover and compact the trench; in the trenches at the base, in the presence of canals, it is possible to use stones or concrete to anchor.

Unroll and lay **RECSVIRESCO** from the top down over the entire surface involved, following the lines of maximum slope or in the longitudinal direction along the contour levels, in accordance with the plan and operations specifications. Anchor it with U-shaped metal pegs with a diameter of at least 6 mm, length approx. 40 cm, using approx. 2-3 pegs each square metre of escarpment to be protected. This will ensure a good adherence between the ground and the geomat, and guarantee that the green pre-sowed biotextile is in contact with the ground.

The adjoining sheets will be connected every 20 cm with wire having the same characteristics as the wire mesh making sure to cover the junction areas.

Water during the first 25-30 days until the grass surface has completely settled.