

INSTALLATION GUIDE **VIRESCO® Sator** for Erosion Control

Seed is a living material. Its growth depends on various factors including climate, irrigation and soil type. It is therefore advisable to lay **VIRESCO®** at a temperature permanently above 5° and below 30°. Please also carefully follow the instructions for use given here. The components used are of 1st quality, but it is not possible to guarantee a good result in case of lack of water, adverse climatic conditions, errors in use or overly critical situations.

- Prepare the topsoil by removing any roots, vegetation, stones or debris, turn over the first 10 cm of soil, crumble the thickest pieces and level the ground so that **VIRESCO®** can adhere to the soil without any void underneath.
- Lay down **VIRESCO®** without stretching it, placing it carefully and **making it adhere steadily to the ground** thanks also to the watering.
- Careful laying is vital. Our products hold back the power of water, preventing it from coming into direct contact with the soil, and reduce the material flows.

However to prevent foils of water from infiltrating and creating erosion phenomena, it is advisable to create drainage channels upstream and sideways and, if necessary, also on various levels of the slopes in the case of slopes of a certain height. These canals intercept the water (coming from above) and carry it to the side of the work, towards a natural drain or in any case towards a watershed.

- On scarps and slopes, secure **VIRESCO®** on the top of the slope, anchoring it in a small trench of approx. 15 cm in width and in depth, and approx. 30 cm beyond the ridge.

Unroll the biotextile making sure that it remains attached to the ground and secure it using pegs or U-shaped staples, placed at a distance that changes depending on the inclination and the characteristics of the site and the ground; on average place 1 staple each 1 m² of biotextile.

- Cut to the required length and fix between adjacent rolls.
- **VIRESCO®** does not require overlapping in the case of transverse laying (from top to bottom) to the slope. Lay the rolls side by side and then fix them with anchoring systems.

Longitudinal (horizontal) laying is possible on not too steep slopes; in this case the overlap between adjacent rolls must be approximately 3-4 cm and can be done "tile-style", with the upper roll overlapping the lower one.

When used in watercourses, overlap the upstream roll to the downstream one approx. 10 cm in the direction of the flow.

- **VIRESCO®** can be easily shaped using simple domestic scissors.
- **Water** daily during the first 25-30 days until the grass surface has completely settled and even more often when the product is laid on very steep surfaces. When the daily watering is not possible, we suggest to cover **VIRESCO®** with 2-3 mm of sterile soil or sand and water every 2-3 days.
- WHEN YOU WORK ON POOR SUBSTRATES, BACKFILL WITH AT LEAST 20 CM OF FERTILE VEGETABLE SOIL.
- **VIRESCO® may be laid down on both sides.**

The first mowing can be carried out when the lawn has reached a height of approx. 15 cm to no less than 5 cm.

On **REINFORCED SOIL SLOPES**

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

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 soil type and on the environmental and climatic conditions.

