

LITE-NET

Vegetation Net for Slopes



LITE-NET vegetation net for slopes **improve plant growth** and **reduce erosion**. They are based on thick nonwoven geotextile which are cut in a way that they can be extended to a multiple of their original size when placed in-situ. As they consist of approx. **90% open voids**, they can store a great amount of water.

Investigations carried out at the **Vienna BOKU University** have shown that **LITE-NET** can store as much water than conventional coir mats, post 24 hours even **6 times** as much. So this new type of nonwoven mat irrigates young plants much more effectively and more persistently.

Due to this optimum irrigation the plants can grow much better on slopes. The investigations at the BOKU University yielded that the **plant cover rates** of **LITE-NET** is more than **50% higher** than that of a coir mat.

In addition, due to the **high flexibility** of the patented nonwoven net it can adapt perfectly to all irregularities of the slope surface, thereby **reducing erosion** significantly.

The cost effective vegetation nets are supplied in **two basic variants**: Biologically degradable with **wooden fibres** and long-term resistant with **synthetic fibres**. Installation is perfectly easy. If necessary the nets can be fixed to the surface with conventional hooks or pins.



Investigations BOKU Vienna:
Vegetation coir mat (left) and
LITE-NET (right) after 3
months of extreme drought



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The Benefits

- Higher water storage capacity
- Elevated vegetative effect
- Flexible, thereby perfect adaption to all irregularities
- Quick and easy installation
- Cost effective



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