EFFICIENT SHALLOW LANDSLIDE PROTECTION

Flexible barriers made of high-tensile steel wire

Data from meteorologists shows us that global warming is leading to heavy precipitation occurring more frequently. These additional masses of water in natural environments elevate the risk of shallow landslides. Our barriers are the only mitigation solution of shallow landslides worldwide with a dedicated CE marking. Their lightweight structure and straightforward, cost-effective method of installation make them an outstanding practical choice.



Safety is our nature

The only solution of shallow landslides worldwide with a dedicated CE-marking

Efficient shallow landslide protection for infrastructure

Our flexible shallow landslide barriers reduce the risks associated with landslides on steep, unstable slopes. The system's low deflection levels make it possible to install the barriers close to the object.

What makes our protection systems especially economical is that the installation requires only minimum construction and excavation work.



Components of our SL-150 barrier



Quality you can rely on

We offer two barrier types as a means of protecting slides that occur near the surface: The **SL-150** shallow landslide barriers are designed to withstand dynamic pressure of 150 kN/m² and features our **SPIDER® spiral rope net**, which works in conjunction with a secondary mesh to hold back landslides. The **SL-100**, meanwhile, uses the high-tensile and more closely meshed **TECCO® G65/4** mesh as a protective surface, this barrier is able to absorb a maximum dynamic pressure of 100 kN/m².

What both versions have in common is that they can be **installed with minimal resources**, offering considerable savings in terms of cost and construction time. The components can be flown into even hard-to-reach terrain with a helicopter – **no heavy machinery or earthwork is necessary**. But it doesn't end there: Our protective system barriers are also **highly environmentally friendly**, as they have minimum ecological impact on the natural surroundings and are barely visible from a distance.



Our SL barriers your advantages

High-tensile steel wire netting and mesh

The barriers absorb both high dynamic and high static pressure at the same time. Their flexibility keeps maintenance work to a minimum, while the low deflection levels make it possible to install them close to the objects requiring protection.

Highest standards worldwide

The first ETA approved solution with CE marking according to EAD 340020-00-0106. Largescale field tests have proven that the barriers are able to hold up against several impact events involving complete filling.

Rockfall protection

Shallow landslide barriers are often used in exposed terrain where rockfalls may occur. Our solutions are therefore tested for rockfalls with 500 kJ.

Easy installation

The barriers can be adapted to suit local conditions and their lightweight components enable cost-effective installation.

Protective mesh apron

A high-tensile steel mesh apron prevents material flow between the bottom support rope and the ground. It is easy to maintain, efficiently protects the barrier foundations from erosion and maintains the slope geometry during landslides.

VE, DON'T

We have conducted in-depth investigations into the effects of multiple loads, such as rockfalls on shallow landslide systems. We have proven the performance of our shallow landslide barriers together with the Swiss Federal Institute for Forest, Snow and Landscape Research WSL (ETH).

The data have also provided valuable basis for developing our **SHALLSLIDE dimensioning tool**. This dimensioning software is free available on myGeobrugg. com.



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