



NESSSELWÄNGLE BEI REUTTE, AUSTRIA

201

Debris Flow & Shallow Landslide Protection

Nesselwängle bei Reutte

Debris Flow & Shallow Landslide Protection

Project	Nesselwängle bei Reutte
Location	Nesselwängle
Country	Austria
Year of installation	2010
Customer	Wildbach- und Lawinenverbauung WLV Ausserfern
Engineering	Wildbach- und Lawinenverbauung WLV Ausserfern
Contractor	Wildbach- und Lawinenverbauung WLV Ausserfern
Initial situation	<p>In the fall of 2009, heavy local rainfall above Nesselwängle was responsible for the accumulation of debris caused by flooding. The inconspicuous Schmalecklesbach stream brought debris, humus, and deadwood down into the valley. A high proportion of deadwood led to logs becoming jammed. The woodland and hiking trail leading to the mountain cabin was washed away. The rock settled at the lower levels of meadowland and in the gardens neighboring the settlement.</p>
Description	<p>Following a consultation with Geobrugg, the regional site management of the WLV Ausserfern service for torrent and avalanche control decided to make this region the first to acquire a barrier system against falling rock.</p> <p>The geometry and the slopes of the Schmalecklesbach stream, positioned some 10 meters above the woodland trail, provide an ideal location for the installation of a debris flow barrier. The slopes of weathered, loosened, or solid dolomite rock ensure that the earth cannot work itself free at the sides. The UX120-H6 barrier is designed with two supports to provide optimum protection for the overall height of 6 meters and with an upper span of 23 meters, should an incident occur.</p> <p>By opening the nets, the barrier can be cleared out from the existing woodland trail following debris flow from the valley.</p>
Protected object	Touristic infrastructure, Residential area, Infrastructure
Corrosion protection	GEOBRUGG SUPERCOATING
System height	6.0 m
System length	23 m
Number of barriers	1
Retention capacity	700 m ³

For questions please contact our Geobrugg specialist at your side

Roger Moor

Country Manager Ost- und Zentralschweiz, Liechtenstein
Phone +41 71 466 81 52
Mobile +41 78 783 46 81
Roger.Moor@geobrugg.com



Geobrugg

info@geobrugg.com | www.geobrugg.com