



# GRÜNER SEE - SCHMIEDEWALDE, ALMANYA

Şev ve Yamaç koruma

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## Şev ve Yamaç koruma

<b>Proje</b>	Grüner See - Schmiedewalde
<b>Yer</b>	Klipphausen/Schmiedewalde, Kreis Meissen
<b>Ülke</b>	Almanya
<b>Kurulum Yılı</b>	2016
<b>Müşteri</b>	Saxon Superior Mining Agency, Freiberg
<b>Yüklenici</b>	Bergsicherung Freital GmbH

**Durum**

In the early days of its existence, Schmiedewalde, a small village that neighbours Dresden, was home to a chalk mine that was commercially excavated. Over time, the excavation left a hole that has long since flooded and become known locally as Grüner See (Green Lake). After a heavy rainfall in 2013, one slope of the former surface mine slipped and became severely unstable. A rural road just north of the lake was ruled impassable and required slope stabilization to again be considered safe for passage. The Saxon Superior Mining Agency invited the engineering firm Eckert to develop a permanent solution thereby reassuring the safety of the traffic infrastructure.

**Açıklama**

Approximately 50 m of the slope was stabilized from an average height of 10 m (vertical extension). The high-tensile TECCO® GREEN G65/3 mesh was anchored to the slope with approximately 130 soil nails. The soil nails range in length from 3.0 m to 6.0 m and were arranged in a grid pattern of 2.0 m x 2.5 m. TECCO® GREEN G65/3 consists of combination of a high-tensile steel mesh combined with an erosion control mat. While the TECCO® mesh assures full stabilization of the instable soil the polypropylene (PP) mat serves as grip and substrate for hydroseeding. The solution also provides protection against damage caused by rodents such as beavers.

[Datasheet](#) TECCO® GREEN

<b>Gösterilen obje</b>	Road
<b>Korozyon koruma</b>	GEOBRUGG SUPERCOATING
<b>Jeoloji</b>	Substrate: cohesive artificial infills dating from the times of commercial depletion.
<b>Dengelenen alan</b>	500 m <sup>2</sup>
<b>Maksimum eğim yüksekliği</b>	10 m
<b>Eğim meyili</b>	50 ° - 70 °
<b>Yeşillendirme</b>	Evet
<b>Konumlandırma</b>	South-West



*Slope protected with TECCO® GREEN*



*Fast re-vegetation thanks to mesh-stabilized soil and mat-retained seeds*



*Detailed aspect view of mesh with a nail and spike plate*



*Close-up with system spike plate and nail*



*Vegetation will take only a few months to cover mesh, spike plates and nails.*

**Sorularınız için yerel Geobruigg uzmanınızla iletişime geçiniz**

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