

STEELGRID HR30 MESH A6 TORINO-SAVONA HIGHWAY, ITALY

SLOPE STABILISATION - MACRO SYSTEMS

Product: Steelgrid HR30 Mesh & Steelgrid HR System Plates

Problem

A series of minor failures, including sliding failures and the loss of individual rocky blocks, posed a very high risk to vehicles using the A6 Torino/Savona highway.

The highway operating company, Società di Gestione Autostrada Torino-Savona S.p.A. deemed the threat to the carriageway to be unacceptable and engaged contractor Cuneo Disagaggi Srl to install a suitable protection system.

Solution

Considering the various site-specific issues, the project designer selected the new, high strength, high stiffness, Maccaferri Steelgrid HR30 mesh to be used in conjunction with a regular network of anchorages up to 6m in length, to stabilise the slope.

Steelgrid HR30 was installed on the 60m long rock and soil slope, which extended up to 18m high. Although anchors can be installed anywhere within Steelgrid HR30, the designer detailed a specific anchorage layout on the slope based on site conditions.

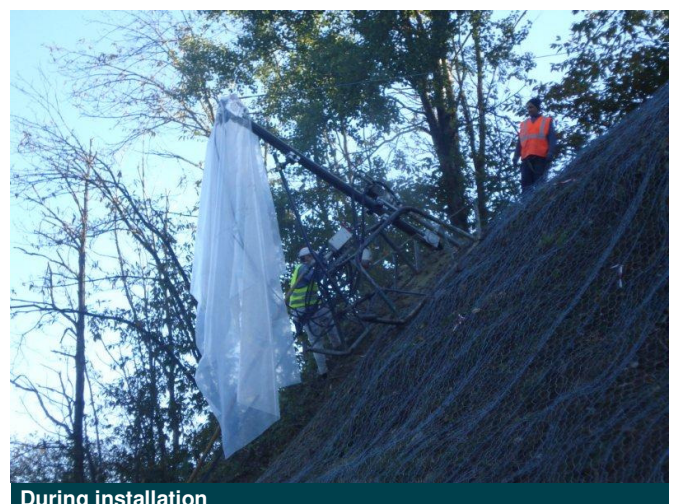
Offering high strength at low extension, Steelgrid does not need to be tensioned while in position on the slope, does not require depressions around the anchor heads and does not need any overlapping between panels of mesh. This reduces installation time for this already cost effective product.



Before construction



During installation



During installation

Client:

Società di Gestione Autostrada Torino-Savona Spa

Main contractor:

Cuneo Disagaggi Srl

Designer:

Società di Gestione Autostrada Torino-Savona Spa

Products used:

1000 sqm STEELGRID HR30 MESH

Date of construction

AUTUMN 2011

Officine Maccaferri S.p.A. Global Headquarters

Via JF Kennedy 10, 40069 Zola Predosa (BO) - Italy

T: (+39) 051 6436000 F: (+39) 051 236507

E: comes@maccaferri.com

www.Maccaferri.com

Bureau Veritas Certified Quality System Company
with SINCERT and UKAS accreditation.