

MOTORWAY SPLIT-PLOČE, RETAINING WALL STRUCTURE PLOČE, PLOČE, CROATIA

Reinforced Soil Walls and Slope Reinforcement

Problem

Motorway section Split-Ploče in Croatia passes through difficult mountain terrain. Due to the terrain relief was the motorway section situated partially within a rock cutting and partially on an embankment with the total height 12-17m.

Solution

For the construction of a retaining wall on the highway section Split-Ploče has been chosen the Terramesh system, because of flexible space modification of its facing part. The Terramesh system consists of modular prefabricated blocks fabricated from double twisted steel wire mesh with mesh opening size 8x10 cm. Standard diameter of the mesh wire is 2,7 (internal) / 3,7 (external) mm. The system was developed for reinforced wall applications with gabion facing. Gabion facing and the horizontal reinforcement are connected together during the production and are forming a compact system. Based on static calculations were designed 5,0 and 9,0m lengths of the horizontal reinforcement. Individual gabion units are connected together along all edges with high resistance steel C-rings at a maximum distance of 15cm from each other, to build a compact system. The total length of the wall is 90,00m in height from 12,00 do 17,00m. Elevation area of the wall is 1 332 m².

Client: N/A

Designer / Consultant: NA

Contractor: NA

Products used (Qty.)

- Terramesh 9999

Date of construction: 07/2006 - 09/2006



During construction



During construction



During construction