



ACEMat™ for Slope Erosion Control Project

Location : Chiayi, Taiwan

Application : Erosion Control and Revegetation

Problem :

This case was located in Zhuqi Township, Chiayi County. As a result of the typhoon Morakot attacked, heavy rain and torrential streams destroyed the embankments. Therefore, the embankments were damaged and the slopes were collapsed by heavy rain. So we had to make an urgent repair to stabilize slopes.



Solution :

We restored vegetation recovery by using the method of stone-paved embankments and hanging-net vegetation. And we also set vertical direction ditches and horizontal direction ditches in order to drain quickly. This engineering scheme could approach not only energy saving and carbon reduction but also environment greening by using the method of stone-paved embankment and hanging-net vegetation. Using greening material of hanging-net vegetation and combined with in-situ natural stones to construct a stone-paved embankment, thus the construction could achieve the goal of ecological engineering. The result of hanging-net for revegetation and slope protection engineering provided an excellent environment where animals and plants could live here, and also decreased the frequency of material transport during construction.