

# Eco - Climber System

## Sustainable Growth on Slope

### Feature

- High strength durable
- 3-Dimension wire mesh
- High strength erosion control mat
- Rich nutrient growth media
- High variety of planting species

### Advantages

- Biodiversity enhancement
- Encourage climber plant species
- Effective visual improvement
- Soil erosion prevention
- Rock falling prevention
- Low maintenance cost

## APPLICATION SURFACE

- Soil Slope
- Rock Slope
- Concrete Buttress
- Chunam
- Cement Soil
- No fine Concrete
- Shotcrete Slope

## INSTALLATION PROCEDURE



1. Before the Work



2. Installation of Toe Planter



3. Installation of Geo-Net



4. Installation of 3-D Rock Mesh



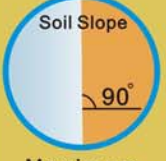
5. Back Filling of Fiber Soil with Planting



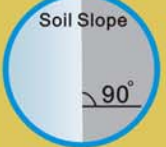
6. Performance after 3 Months



Vegetation Objective



Maximum Application Gradient



Maximum Application Gradient



Erosion Control



Prefabricated Seed & Fertilizer



Maintenance Free

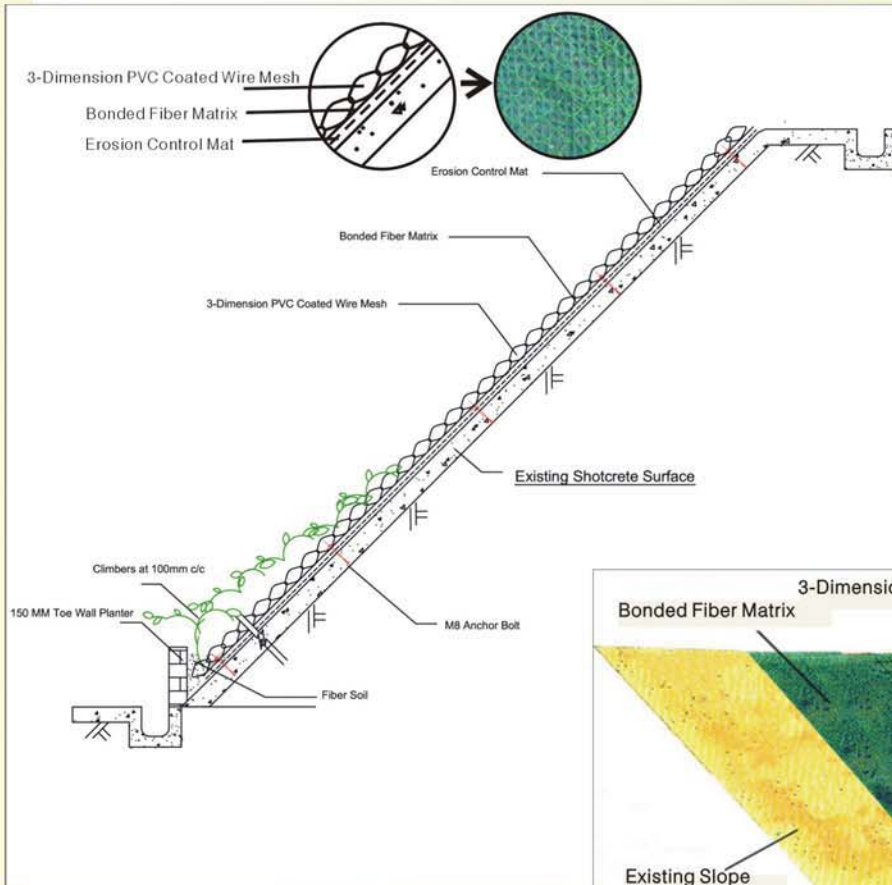




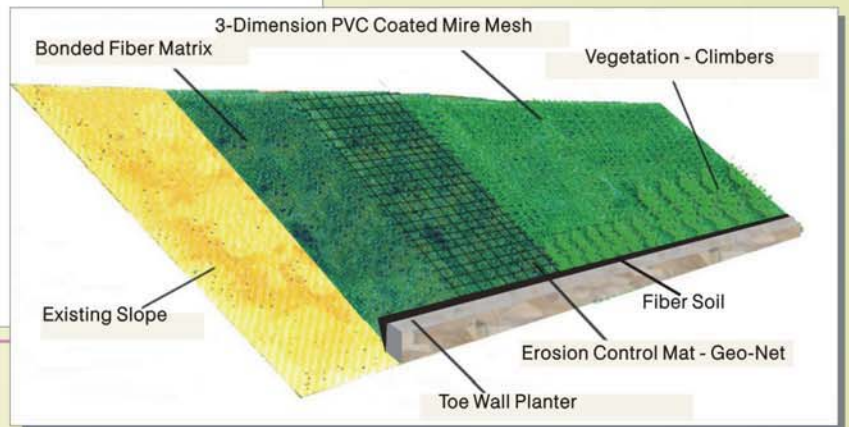
# INSTALLATION PROCEDURE

## General installation procedure:

1. General site clearance.
2. Installation of precast toe wall planter
3. Enrolling the Geo-Net parallel to the slope with the maximum lapping of 50 mm
4. Enrolling the 3-Dimension pvc coated galvanized wire mesh
5. Fixing of nets with anchor bolt
6. Application of Bonded Fiber Matrix with fertilizer and seed.
7. Filling of Fiber Soil with climber species.



Typical Detail of Eco-Climber System on Slope



## PROPOSED NATIVE PLANT SPECIES



Scindapsus aureus  
綠蘿



Bauhinia glauca  
羊蹄甲藤



Zebrina purpusii  
紫吊竹草



Ficus pumila  
薜荔



Hedera helix cv Glacier  
銀葉常春藤



Campsis grandiflora  
凌霄



Trachelospermum jasminoides  
絡石



Thunbergia grandiflora Roxb  
大花老鴉嘴



Lonicera japonica  
金銀花



Quisqualis indica L  
使君子



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