

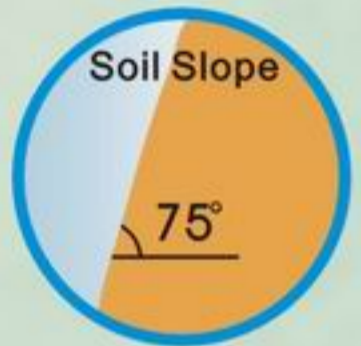


# Soil Creat System

Establish Low Maintenance Vegetation on Steep Slope with Erosion Control



Vegetation Objective

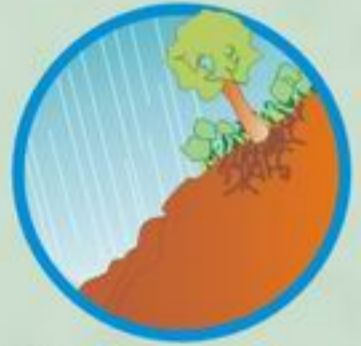


Soil Slope  
75°

Maximum Application Gradient



Erosion Control



Shallow Failure Improvement



Prefabricated Seed & Fertilizer



Maintenance Free

## Chunam Cover



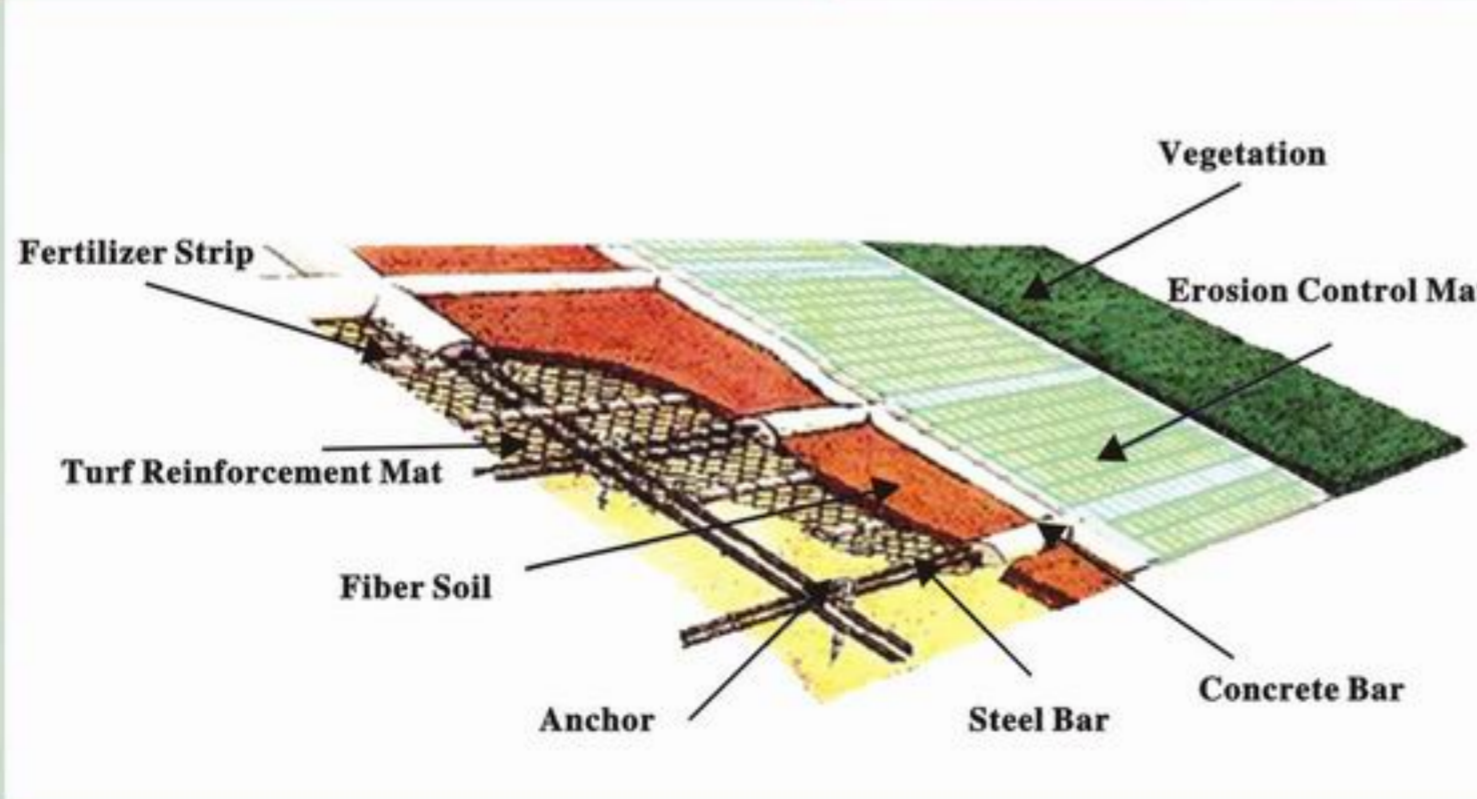
## Rock Slope



## Soil Slope



## Structure



The concrete bars and the steel bars form a semi-rigid cover that prevents extensive surface erosion.

## Advantages:

1. Prevent shallow slope failure
2. Simple installation procedure on steep slope
3. Reduce surface water erosion
4. Vegetation grows on slope surface directly in open system
5. Native tree and shrub species are available
6. Low maintenance cost





# INSTALLATION PROCEDURE



1. Ground cleaning



2. Fixing turf reinforcement mat with fertilizer strip by using mild steel bar



3. Spraying of Creat Bar and Fiber Soil



4. Laying Erosion Control Mat



5. Vegetation germination



6. Full vegetation after 3 months

## SPECIFICATION OF SOIL CREAT SYSTEM

Turf Reinforcement Mat	Anchor	Sub-Anchor	Concrete Bar	Climber Sprig	Mild Steel
2.5mm x 50mm/ 50mm opening	16mm dia. x 400mm long	8mm dia. x 200mm long	Cement:Sand:Water 1: 1: 4	150mm long with healthy nodes	8mm dia.

## PROPERTIES OF SOIL-FACTOR

pH Value	Moisture Content	Organic Matter Content	Carbon Content	Total Nitrogen Content	Carbon Nitrogen Ratio	Dry Density	Saturate Density
6.0 - 7.5	30%-35%	50%-90%	40%-60%	0.1%-1.5%	35:1-50:1	400-450 kg/m <sup>3</sup>	350-400 kg/m <sup>3</sup>



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