Toyo–Mulching System

Establish Low Maintenance Vegetation on Steep Slope with Erosion Control



Vegetation Objective



Maximum Application Gradient



Maximum Application Gradient



Erosion Control



Prefabricated Seed & Fertilizer



Maintenance Free

Shotcrete Surface



Rock Slope



Soil Slope

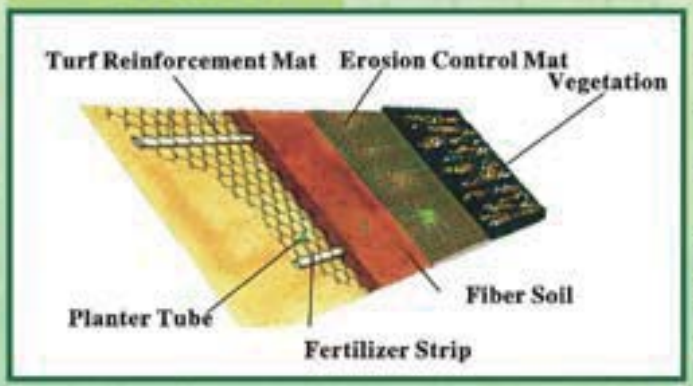








Structure



Double layers of non-woven fertilizer strip are installed inside the 3-dimensional PVC coated wire meshes that provide additiona nutrient and moisture to the vegetation.

Advantages :

- High adhesive capacity on steep slope
- Full vegetation on non-soil surface
- High resistance to rain erosion
- High water retaining capacity
- Long lasting fertilizer
- High gas permeability
- No bulge effect
- Light in weight
- Adaptable on rough surface

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INSTALLATION PROCEDURE



1. Ground cleaning



2. Fixing of turf reinforcement mat, root hole and fertilizer strip



3. Spraying of Fiber Soil



4. Laying Erosion Control Mat



5. Installation of climber sprig



6. Full vegetation after 3 months

SPECIFICATION OF TOYO-MULCHING® SYSTEM

Turf Reinforcement Mat	Anchor	Sub-Anchor	Seeds Proportion	Climber Sprig	Planter Tube
2.5mm x 50mm/ 50mm opening	16mm dia. x 400mm long	8mm dia. x 200mm long	Bermuda 15g/m^3 Bahia 10g/m^3	150mm long with healthy nodes	30mm dia. 170mm long

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^3	350-400 kg/m^3

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