

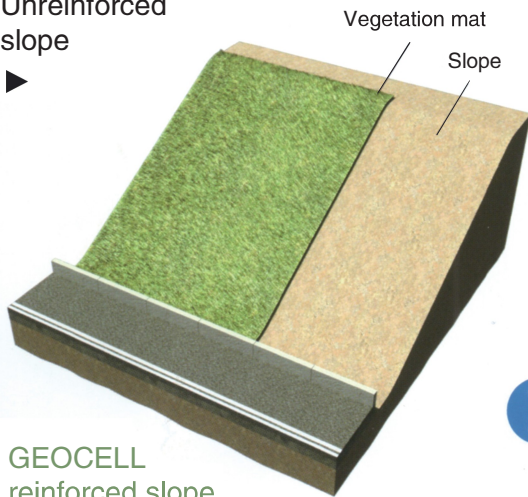
# Slope reinforcement using GEOCELL

-GEOCELL wraps the plant roots to protect them and it is applicable to slope protection, stabilization and confines the soil around the roots help. It increases the resistance to erosion and reduces rainwater penetration into the ground, leading to flowing above the vegetation mat. When it comes to steep slope, it increases water contents so as to constrain evaporation from impermeable ground.

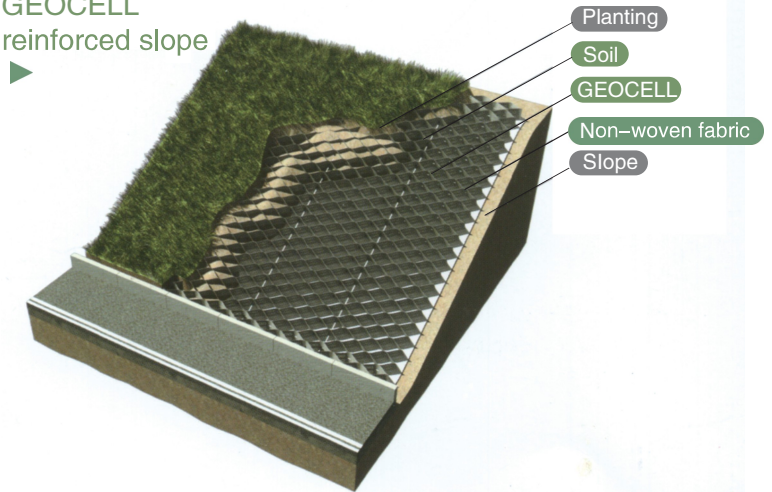
For non-planting slope, it increases the erosion-resistance of granular material and prevents soil particle from being washed out by water flow.

<from the abstract of master's thesis The study on evaluation of stability of GEOCELL-reinforced slope during the rain>

Unreinforced slope

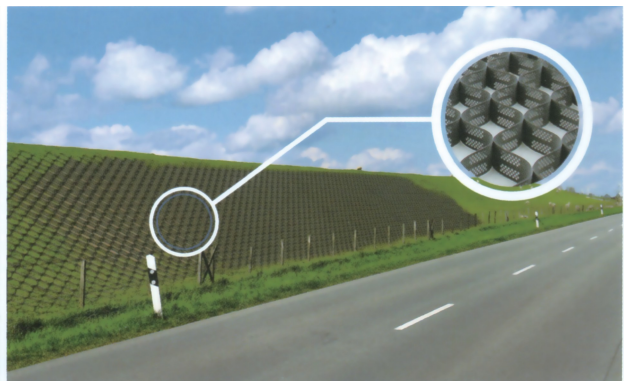
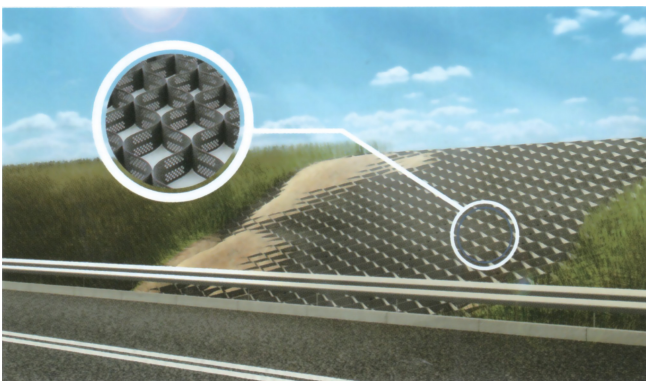
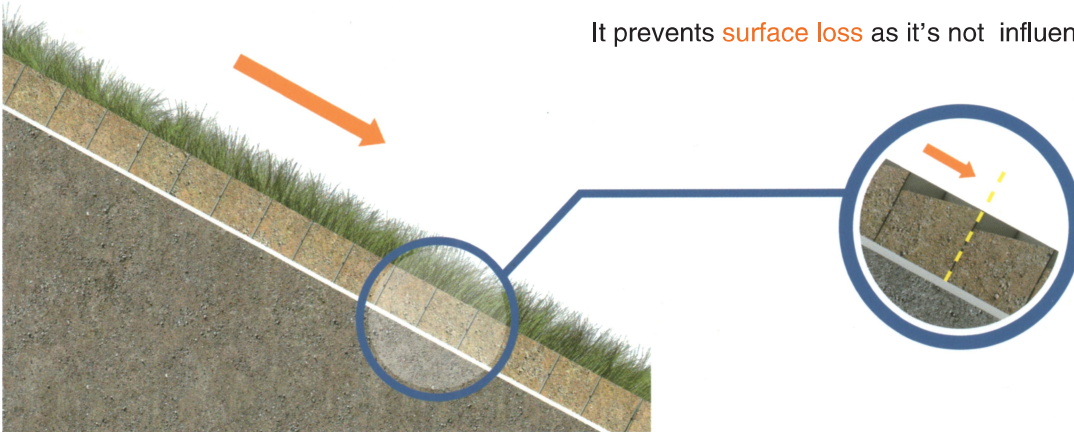


GEOCELL reinforced slope



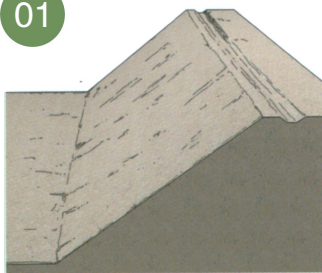
GEOCELL reinforced slope

It prevents surface loss as it's not influenced by slope flow



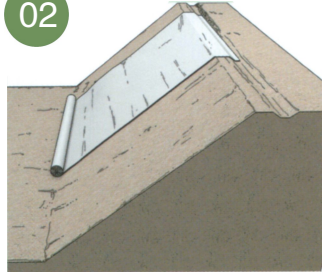


01



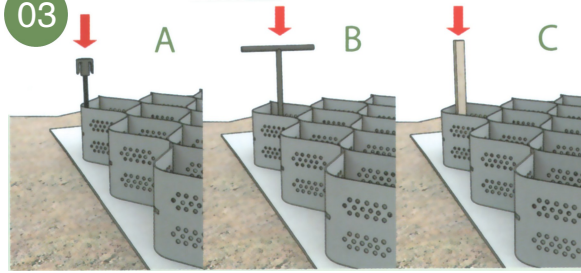
After grading the ground, remove the plant roots and stones

02



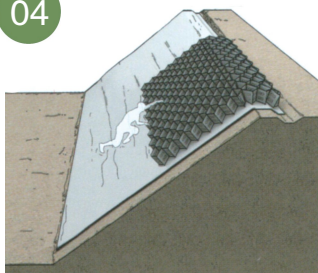
Install the Non-woven fabric

03



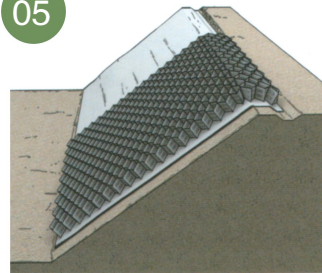
Select one among A, B or C considering site conditions

04



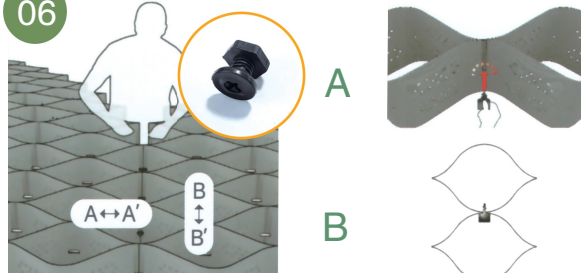
Spread GEOCELL from the top to the bottom.

05



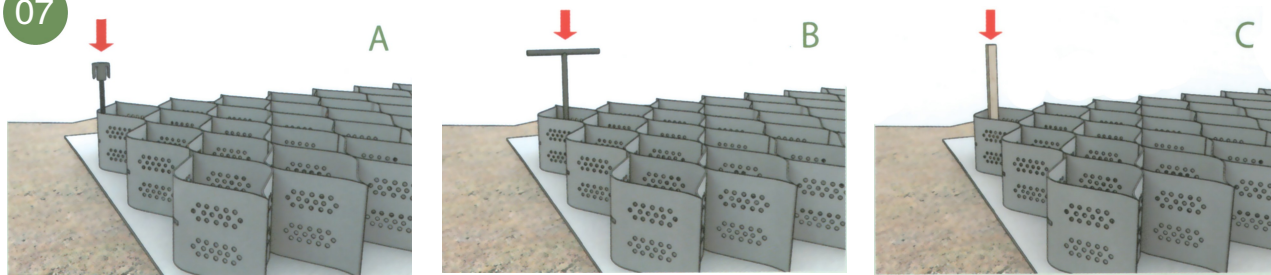
GEOCELL spread completely

06



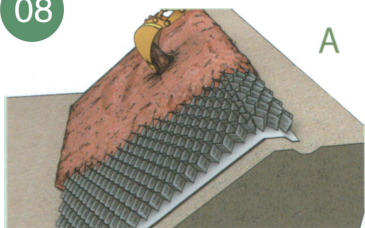
Connects GEOCELL side with GEOCELL key horizontally(A-A') and vertically(B-B')

07

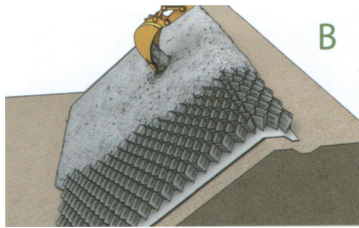


Select one among A, B or C considering site conditions.

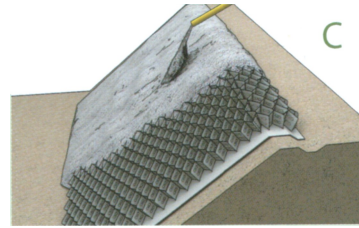
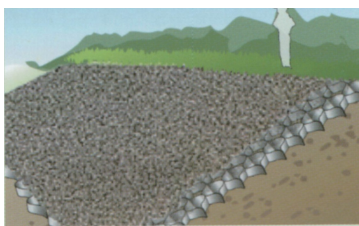
08



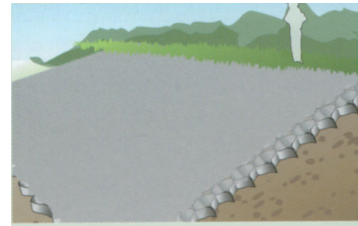
Soil and vegetation mat



Aggregate and gravel



Concrete



Select appropriate equipment depending on gradient of slope and type of filler type(A, B, C)