

HIDDEN BENEFITS

GEOWEB® Slopes

Soil Stabilise System

GEOWEB® slope protection systems with topsoil or aggregate fill are permeable, low environmental impact solutions for deep erosion control, sustainable slope stabilization, and liner protection.

Sustainable Environmental Contributions

The benefits of designing GEOWEB® slopes for sustainable, green building initiatives including Low Impact Development (LID) and Green Infrastructure (GI) are noted below.



Energy Use

- ◆ Vegetated slopes in a built environment are cooler alternatives than concrete slope systems—reducing the negative heat island effect.
- ◆ Vegetated green roofs minimize heat absorption, reduce urban heat island effect and energy to cool buildings.



Resource Savings

- ◆ Confinement of fill in the 3D structure reduces the volume of cover material (topsoil, aggregate)—uses less quarried resources.
- ◆ ‘Soft’ slope armoring reduces need for concrete consumption required of hard-armored systems.



Land Use

- ◆ Limits site disturbance and development footprint within the parameters of the building site by allowing steeper slopes.
- ◆ Ability to secure steeper slopes reduces land requirements.



Water Benefit

- ◆ Permeable slope face infiltrates/filters surface runoff from hard pavements—keeping pollutants out of the waterways and reducing runoff for flooding mitigation.
- ◆ Inert material will not leach or breakdown, keeping harmful materials from entering waterways.

Greenfix
Soil Stabilisation and
Erosion Control Specialists

Learn More About
GEOWEB® Slopes



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Helpful Resource Links

[GEOWEB Slope Protection Overview >>](#)

[Free Project Evaluation Service >>](#)