

GREENLOXX®

Vegetated Wall, Slope & Shore System



Designed for Strength. Rooted in Sustainability.

GreenLoxx® vegetated systems allow for the restoration of eroded or damaged slopes, riparian waterways, shoreline banks, and more. Create attractive, naturally vegetated landscapes without the use of hard concrete materials on your restoration projects.

GreenLoxx VSF (Vegetated Slope Facing):

Typically used to protect the face of the slope or bank from erosion. Requires minimal base preparation/excavation, and no backfill. Geogrid is wrapped over the GroSoxx® and secured with soil anchors.

GreenLoxx MSE (Mechanically Stabilized Earth):

Typically used to build a more vertical, structural wall. GroSoxx are stacked in courses wrapped in geogrid and tied back into the compacted fill behind the face of the wall.

Applications:

- Streambanks
- Steep Slopes
- Shorelines
- Retaining Walls
- Roadside Slopes

Contact MKB for availability & system packages. May require engineering and permits depending upon size and scope of project.



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Configurations:

System Name	MSE	Slope Degree	Anchors	Geogrid	GroSoxx® Size	Purpose
GreenLoxx VSF Vegetated Slope Facing	No	up to 60°	Yes	Yes	8"x3'	Protect slope surface from erosion
GreenLoxx MSE Mechanically Stabilized Earth	Yes	70° - 90°	No	Yes	12"x2'	Gain back land
GreenLoxx MSE - RSS Reinforced Soil Slope	Yes	50° - 70°	No	Yes	12"x2'	Gain back land

Components:

GroSoxx: Durable mesh is filled with Certified GrowingMedia™ as the basis to quickly establish vegetation.

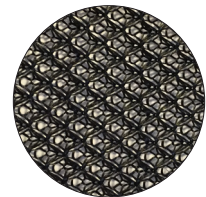
Geogrid: Used to wrap layers of GroSoxx. Biaxial pattern provides strength and features a 2"x2" opening to eliminate cutting the grid for planting.

Soil Anchors: Used in GreenLoxx VSF to secure layers of geogrid and GroSoxx.

Vegetation: Options include pre-seeded GroSoxx, live staking, broadcast seeding, or plugs.

Product Specs (GroSoxx):

Netting Material Type	DURABLE Netting Multi-Filament Polypropylene (MFPP)
Netting Degradation	Photodegradable
Netting Diameters	8", 12"
Netting Opening Size	1/8"
Netting Color	Black
Fabric Tensile Strength (ASTM D4595)¹	385 lbs
Fill Type	Certified & Locally Sourced Composted GrowingMedia
Functional Longevity²	Up to 5 years



Netting Sample



Fill Sample

¹Tensile Strength is based on 12" diameter using ATSM D4595. See Filtrex TechLink #3342 for full tensile strength testing.

²Functional longevity ranges are estimates only. Site specific environmental conditions may result in significantly shorter or longer time periods. Vegetation prevents UV exposure and may extend functional longevity.

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