RidgeScape®
by
RIDGEROCK
Walls That
Naturally
Disappear

RidgeScape® Vegetated Retaining Wall System

The RidgeScape® Vegetated Retaining Wall System provides site owners, municipalities, homeowners, architects, and engineers with versatile cost-saving solutions for the challenges of elevation and slope changes on development sites.

ENVIRONMENTALLY FRIENDLY

RidgeScape® provides an aesthetic eco-friendly solution when space is at a premium and a grade change is required to accommodate challenging site requirements.

NATURAL BEAUTY

RidgeScape's Reinforced Earth System allows construction of exceptionally strong, durable retaining walls that over time naturally blend into the surrounding ecological landscape.

FLEXIBLE

RidgeScape's multiple slope angles with varying finishes meet most any requirement. Capable of heights of 60 feet or more.

ADAPTIVE

RidgeScape® can adapt to various soil conditions. Using onsite soils in most cases, RidgeScape® can absorb total and differential settlement variations without compromise to structural stability or aesthetics.

LOWER COST

RidgeScape® is less costly than other earth-retaining systems without sacrifice of safety or structural integrity.

FASTER INSTALLATION

RidgeScape® baskets cover 15 square feet each requiring less time for facing installation, resulting in lower construction costs and faster installations.

RidgeScape® by RidgeRock

Photo is Vegetated Wire Facing

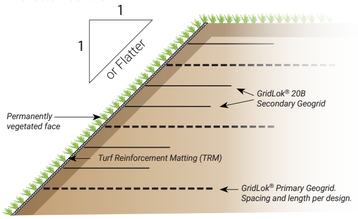
TRM Facing

For slopes with a steepness of 1H:1V or less

Turf Reinforcement Mat Facing is the best solution for maintaining the integrity of gentler slopes

COMPONENTS:

- GridLok® Primary Geogrid is used to reinforce the soil.
- GridLok® 20B Secondary Geogrid is used for facing stability and a compaction aid.
- Turf Reinforcement Matting (TRM) is placed over the finished slope face for erosion control.
- Vegetation grows through the matting for permanent erosion control.



FACING DETAIL

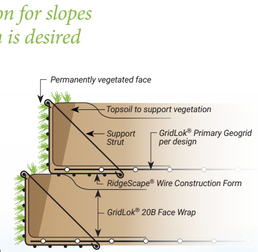
Vegetated Wire Facing

For slopes from 1H:1V to 1H:3V steepness

Vegetated Wire Facing is the best solution for slopes of mid-range steepness where vegetation is desired

COMPONENTS:

- Black steel wire baskets used for vegetation.
- Black steel support struts to maintain facing stability during and after construction.
- GridLok® Primary Geogrid to reinforce the soil.
- Vegetated after and/or during the installation of the wire baskets.
- GridLok® 20B Geogrid is wrapped inside the basket to confine soil while allowing vegetation to germinate.



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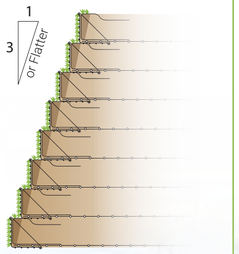
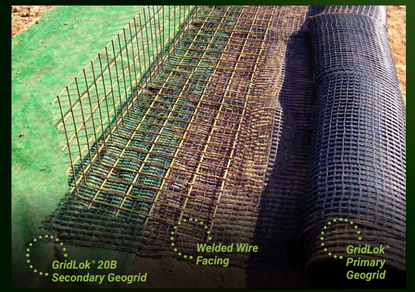


CROSS SECTION

The primary components of a RidgeScape® installation include the Wire Baskets, GridLok® Geogrid, and Turf Reinforcement Mat (TRM)



COMPONENT	FUNCTION
GridLok® Primary Geogrid Reinforcement	*Provides additional strength in the soil, allowing steeper slopes to be built than site soils would allow.*
GridLok® 20B Secondary Reinforcement	*Reinforces soil, aids compaction for TRM facing slopes, and is a soil-containing face wrap in vegetated wire facing slopes.*
Welded Wire Facing Form for Vegetation	*A construction form for compaction near the slope face while maintaining a more geometric, finished appearance.*
Welded Wire Facing Form for Rock Facing	*A permanent form that contains Rip-Rap-style rock and provides a durable long-lasting finish.*
Support Struts	*Provides additional strength in vegetated and rock facing forms, allows for compaction of near-facing soils in vegetated slopes, and increases resistance to long-term pressures from Rip-Rap rock.*
Turf Reinforcement Matting	*Provides erosion protection for TRM-faced slopes with steepness up to 1H:1V.*
Filter Fabric	*Acts as a separator in rock-facing slopes to prevent soil fines from migrating into the Rip-Rap rock behind the wire facing.*

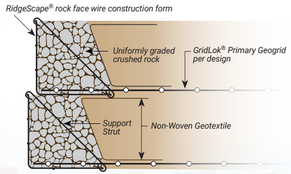
Rock Wire Facing

For slopes 1H:3V to near-vertical steepness

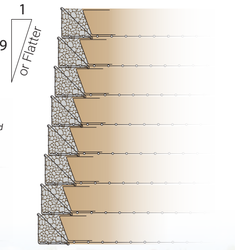
Rock Wire Facing is the best solution when space constraints do not allow for a milder slope steepness that would support vegetation

COMPONENTS:

- Proprietary galvanized steel baskets with smaller openings for prolonged survivability in most any environment.
- Galvanized steel support struts that equal the longevity of the baskets.
- GridLok® Primary Geogrid to reinforce the soil.
- Angular Rip-Rap quarry rock behind the baskets provides erosion protection and a complete resistance to natural elements for the lifetime of the structure.
- Non-Woven filter fabric for separation between the rock facing and the retained soils.



FACING DETAIL



CROSS SECTION

The RidgeRock Family

RidgeRock II®

RidgeRock II's smaller block size features the same structural stability, design flexibility and Flexible Wing Positioning System as its larger RidgeRock predecessor. A technological breakthrough, RidgeRock II's smaller format results in lower costs and easier installation.

RidgeRock®

The RidgeRock Retaining Wall System is the premier choice in soil retention technology. The RidgeRock unit is stabilized with a user-friendly concrete shear key which is integrated into the block to avoid the need for pins or clips.

RidgeScape®

In a word...GREEN! The RidgeScape reinforced earth system is perfect for areas where level space is at a premium and a concrete or stone wall is not appropriate. Vegetated during or after construction, RidgeScape allows near-vertical construction without sacrificing a natural, eco-friendly appearance.

The Verona Collection®

Messina®

The Messina retaining wall system is the second product in the evolving Verona Collection by RidgeRock. Introduced in 2012, Messina provides the same Old World elegant look of its Belgado predecessor while incorporating the overwhelmingly popular features of our RidgeRock II product line.

Belgado®

When you are looking for something on a grander scale, look to the Belgado Retaining Wall System. This system offers a multipiece appearance with variegated colors for a prestigious and luxurious finish.

Call your local RidgeRock representative to learn more about how RidgeRock Retaining Walls can meet your most challenging site development and landscaping needs.

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Patent Nos. 6,168,354 & 6,474,036
Other Patents Pending

RIDGEROCK