

RUTGUARD™ RECOMMENDATIONS

GEOCELL FOR SLOPES

With proper installation, infill material and anchoring (as needed), geocell is designed to reinforce existing slope profiles as steep as a 1:1, to reduce erosion and runoff. It is recommended to consult with a local landscaper or contractor for site-specific recommendations, as each project is unique.



PREPARATION TIPS

It is recommended to install a layer of geotextile fabric on top of the prepared subgrade in order to create a separation layer between the geocell and subgrade. The prepared sub-base area should be free of existing ruts, excavated out, and graded as needed and per specific site conditions.

The grade needs to be smooth so that the geocell lays flat against the side of that sloped area. When installing geocell on slopes, it is imperative that the expanded geocell panels lay flat or flush against the slope, rather than protruding out and allowing for void space between the panels and subgrade.

INFILL MATERIAL

Infill material will vary dependent on the specific application and subgrade of the project. Typically, a material that compacts well such as a crushed, unwashed, angular rock with a mix of fines present is recommended. For applications where water velocity is present, a "cleaned" or "washed" angular rock is recommended. Typical sizing would be 3/8" - 1" sized stone.

ANCHORING

Anchoring the geocell panels into the subgrade can provide additional support to the system. A general rule of thumb is that for slopes over a 3:1 ratio (33.5% or 18°), anchoring may need to be considered. Material such as a curved or straight rebar can be used to permanently stake the panels into the slope.



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