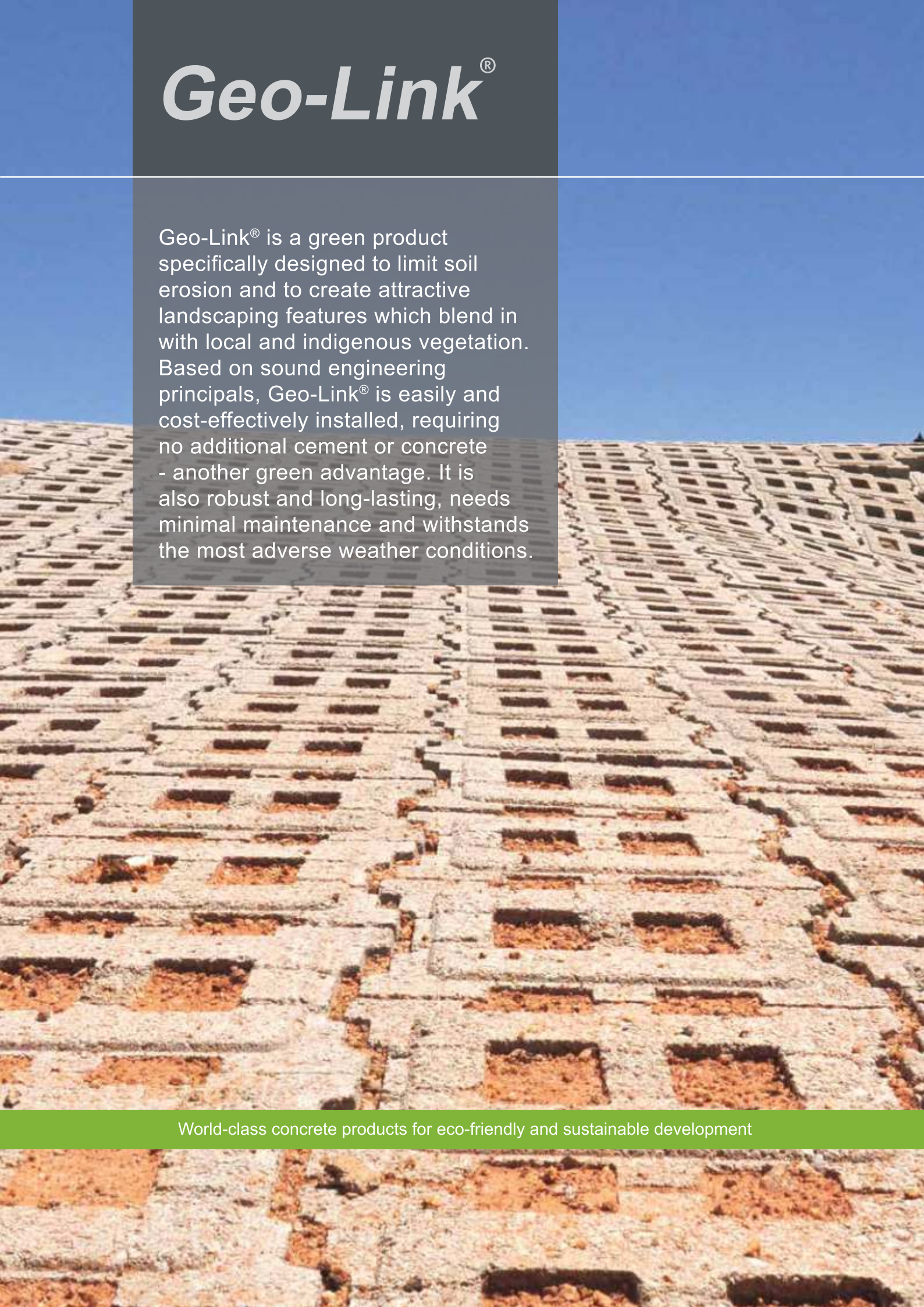
Geo-Link®

Geo-Link® is a green product specifically designed to limit soil erosion and to create attractive landscaping features which blend in with local and indigenous vegetation. Based on sound engineering principals, Geo-Link® is easily and cost-effectively installed, requiring no additional cement or concrete - another green advantage. It is also robust and long-lasting, needs minimal maintenance and withstands the most adverse weather conditions.



World-class concrete products for eco-friendly and sustainable development

Product features

Erosion control and water management

Water management

Comprising a flexible lining of hollow interlocking precast concrete cells, the broken surface created by the cells reduces water flow-speeds (hydrostatic pressures) and inhibits soil erosion in waterways and drainage channels, as well as in flood-prone ditches, spruits, riverbanks, estuaries and beach embankments.

Attenuation ponds and reservoirs

Geo-Link® can be installed underwater and is used to line the banks and bottoms of attenuation ponds and reservoirs, which not only protects the soil but makes for easy maintenance and servicing.

Protecting water pipes

It is also deployed to avoid soil erosion around flow-ramps at pipe inlets and outlets, preventing the loss of soil under the pipes.

Reinforcing gravel roads

Geo-Link® is well-suited to reinforcing gravel roads and tracks on undulating and mountainous terrain where it provides excellent erosion control and better grip for all types of traffic, including heavy trucks, especially under slippery conditions.

Vegetation

Filled with topsoil, Geo-Link® cells provide an environment in which vegetation flourishes. This offers both practical and aesthetic advantages. Besides adding a natural and visually appealing dimension, the vegetation binds the soil and slows down water flows even further.

Structural integrity

Geo-Link® cells are factory-made and then assembled on site, ensuring consistent quality and the lowering of site establishment costs. Individual cells are solidly wedged against each other creating a single yet flexible ground covering. Additional stability is gained by cabling, in either metal wire or polyester twine, threaded through ducts and tied to the individual cells.

The cells are designed with tapered edges to allow for independent movement and the cabling ensures that individual cells are not subject to excessively high movement. The cells also follow ground contours which reduce the need for extensive earthworks and, owing to their inherent flexibility, there is no loss of function through the moderate settlement of the subgrade.

When installed on steep slopes, further stabilisation can be gained by inserting pegs through the cabling.

Preparation

Very little subgrade preparation is required and, under normal circumstances, only minimal compaction of the lay-down surface is needed. However, surfaces must be smooth without sharply protruding rocks, roots or other elements.

	GeoLink® 180	GeoLink® 140
Length x width x thickness(mm)	340 x 294 x 115	340 x 400 x 90
Length x width(mm)	309 x 294	309 x 400
Cells (p/m^2)	11	8
Cell weight (ave.)	16.4	17.5
Weight (kg/m^2)	180	140
Open area (%)	18	18
Material vol. to fill joints & voids (m^3/m^2)	0.022	0.017
Cable/rope	Galvanised steel wire/ synthetic rope	Galvanised steel wire/ synthetic rope
Bending radius	0,5 to 1,0m	0,5 to 1,0m

The photographs in this brochure do not necessarily reflect actual product colours.