**NEWS ARTICLE**

Corobrik extends its GEOLOK® retaining wall system

**27 October 2****022:** Leading clay brick and paving manufacturer [Corobrik](http://www.corobrik.co.za) has extended its GEOLOK® concrete block earth retaining systems with the addition of the GEOLOK® 500 concrete block. This block is ideal for specialised applications where the required slope of the wall could exceed an angle of inclination greater than 70°.

GEOLOK® was introduced in 2001, with the GEOLOK® 300 concrete block for walls typically up to 2 m high and the GEOLOK® 400 for walls higher than 2m. “It is a phenomenally successful system with significant market penetration in KwaZulu-Natal,” says eThekwini Sales Manager **Chris Mungle**. The GEOLOK® blocks are manufactured exclusively by Corobrik in Durban.

Recently the GEOLOK® 300 and 400 concrete blocks were modified and improved with the face of the blocks being the same dimensions, that is 400 mm (width) x 200 mm (height). Only the depth of the block varies in size, allowing the blocks to be interchangeable on the vertical plane.

The benefits of the new GEOLOK® range are:

* **Layout flexibility**

Three different sized blocks provide walling solutions for different site conditions.

* **Interlocking**

GEOLOK® 300 and 400 have a visible mechanical interlock in the form of a nib for additional shear resistance to block-on-block sliding.

* **Versatile**

The GEOLOK® 300 and 400 have a nib to ensure a maximum angle of inclination of 70° when laid horizontally. The GEOLOK® 500 excludes a nib, allowing for an angle of inclination greater than 70°.

* **Cost-effective**

The open face application requires less blocks per square meter and is therefore more cost competitive than closed face retaining block applications.

* **Plantable**

The range is ideal for planting low water-use plants and softening a wall. The design also allows water to drain back into the ground. Using low water-use plants, one can create a landscape that is fully sustainable.

The performance of a GEOLOK® wall depends totally on the adequacy of the overall system and not the block alone – that is, design, workmanship, and quality of the concrete retaining block. It is recommended to use tried and tested concrete retaining blocks that are SABS 508:2012 certified.

It is important to note that all concrete block earth retaining walls above 1 m in height should be designed by an engineer or a geotechnical engineer. The walls must comply with local building regulations.

Corobrik has a software design program to assist professionals and geotechnical engineers design GEOLOK® earth retaining walls. Click [here](https://www.corobrik.co.za/geolok-design-program) to download the program for free.

Or click [here](https://www.corobrik.co.za/geolok-earth-retainers) to view the comprehensive GEOLOK® brochure.

Visit Corobrik’s website for more information: [www.corobrik.co.za](http://www.corobrik.co.za).

***Ends***

**Notes to the editor**

To download hi-res images for this news article, please visit <http://media.ngage.co.za> and click on the Corobrik link to view the company’s press office.

**About Corobrik**From small beginnings in 1902, Corobrik has evolved into South Africa’s leading clay brick and paving manufacturer. Corobrik’s product quality and performance attributes remain key to the company’s success.

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