**NEWS ARTICLE**

Corobrik sees increased demand for GEOLOK® retaining wall system following KZN floods

**12 September 2****022:** The severe flooding that caused extensive damage to infrastructure and buildings in KwaZulu-Natal in mid-April has resulted in an increased demand for concrete block earth retaining systems from [Corobrik](http://www.corobrik.co.za).

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.

Corobrik also decided to extend the range by introducing 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°.

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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