

## **TECHNICAL KNOW-HOW PUTS AFRISAM FIRMLY AT THE FOREFRONT OF CHEMICAL ADMIXTURES**

There is a great deal of discussion around the use of extenders in concrete. However, in order to ensure a blend that is uncompromised in strength and integrity, extensive experience and knowledge are needed. AfriSam is able to leverage a multitude of applications in the successful application of chemical admixture technologies.

Cement extenders are also finding increasing favour from an environmental perspective. Primarily, the use of extenders results in a large reduction in the equivalent carbon dioxide per ton of cement. AfriSam's 'green cement' uses extenders such as AfriSam slagment, fly ash and limestone to reduce the amount of clinker needed in the cement. The use of these extender materials is a classic example of recycling at its best, since most of the material would end up in landfills.

The Green Building Council of South Africa (GBCSA) recently refined its requirements to qualify for each of the three points focused on the use of concrete to lessen a building's environmental impact. In order to support the construction industry in meeting the criteria for all three points AfriSam has closely reviewed the content of concrete used in various building projects.

Examples of this collaboration includes AfriSam assisting Standard Bank to qualify for two GBCSA points in the concrete category, for its new customer service office in Rosebank, and the design of custom mixes for Nedbank's new Lakeview development in Roodepoort that will attract two points.

LA GREEN SUPPLEMENT PIC 01: AfriSam's 'green cement' utilises extenders such as AfriSam slagment, fly ash and limestone to reduce the amount of clinker needed in the cement.

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