

FOR IMMEDIATE RELEASE

**Afrisam And Concrete Laser Flooring (Clf) Collaborate Successfully  
On An Industry-First 'Green' Floor Concrete**

AfriSam and Concrete Laser Flooring (CLF) have collaborated successfully in introducing an industry-first environmentally-friendly floor concrete by replacing cement in the mix design with more fly ash, activated slag and admixtures. In typical concrete mix designs, 20% to 30% of the cement is replaced with extenders. In this new concrete, up to 70% can be replaced with the activated slag and fly ash, with the addition of admixtures to achieve superior quality and strength.

"Such development is put through a rigorous research, design and testing process to ensure that our customers can have the benefit of a superior performing concrete that are also kinder to the environment," Amit Dawneerangen, National Multi-Product Solutions Manager at AfriSam, says.

"A larger trend within the industry is the move towards 'greener' concrete, based on the understanding that cement is a finite resource and that we need to make concrete that uses less cement. There is a growing demand for this from environmentally aware property developers that are driving the trend for 'green' buildings," Peter Norton, Managing Director of CLF, says.

With its main focus on new solutions and innovation, AfriSam is also joining forces with CLF in producing low-shrinkage concretes for floors. "Through this speciality design mix, less shrinkage occurs, which significantly reduces cracking in floors. We are currently in the process of researching, designing and testing this product. The goal is to get the best performing product, with the lowest shrinkage at the best value for our customers," says Dawneerangen.

Tilt-up construction is another method the two companies have successfully collaborated on in projects such as a 10 000 m<sup>2</sup> building in Pomona. The method utilises the floor of a building as a casting bed for wall panels, which are then simply lifted into position by a crane. Another option is for the wall panels to be cast at a precast yard and then transported to site.

According to Norton, this was a very successful project. "After we cast the floor, we were then requested to cast the walls as well. Such a project would traditionally have used 2 000 m<sup>3</sup> of concrete only, but in this instance that figure doubled to 4 000 m<sup>3</sup>."

The cost of the additional concrete used is offset by not only the speed of building, but by a marked improvement in the quality of the finished structure and a dramatic decrease in construction time, which results in significant labour savings and other input costs.

CEMENT AND CONCRETE PIC 01 : With its main focus on the industrial and commercial market, CLF has introduced new technology such as a patented seamless concrete flooring system.

ENDS ... MARCH 2015

FROM : CORALYNNE & ASSOCIATES  
TEL : +27 011 849 3142  
EMAIL : [communicate@coralynne.co.za](mailto:communicate@coralynne.co.za)  
WEBSITE: [www.coralynne.co.za](http://www.coralynne.co.za)

FOR : MAXINE NEL  
AFRISAM  
TEL : +27 011 670 5893  
EMAIL : [maxine.nel@za.afrisam.com](mailto:maxine.nel@za.afrisam.com)  
[www.afrisam.com](http://www.afrisam.com)