

Bibko Umwelttechnik & Beratung GmbH, 71717 Beilstein, Germany

# New ready mix recycling system for Portland (South Africa)

Portland imported and installed the Bibko concrete recycling system ComTec during August 2014. This system has had a major influence on the production and environmental benefits of the Portland Readymix plant. For any ready mix supplier, wastage and returns of concrete is always a problem. This system completely eliminates the need to waste concrete, to dump returns and to pay for the removal of waste.

Since 1985 Bibko is one of the leading manufacturers of ready mix reclaiming systems with over 1500 systems installed worldwide. By incorporating the advancements of technology and superior engineering, Bibko provides a 100% recycling system for the ready mix and precast industry.

After each delivery the trucks return to be quickly and efficiently washed. The discharged mixture goes directly from the ComTec charging hopper into the machine. Here, solids > 0.2 mm are washed out and removed appropriately. The water with the fine particles < 0.2 mm go straight into the recycling water pit. This is equipped with a stirrer which keeps the fine particles in motion in the residual water by means of cyclic stirring, thus preventing settling. The water containing the fines is fed back to the mixing process.

The recycling of the aggregates and water causes immediate saving of precious natural resources and finances. Within two months more than 300 tons of aggregates and sand have been recovered.

The system is user friendly and can be used by any general labourer. There is no need



Each driver cleans his own truck with this automatic system

for special training and each driver cleans his own truck with this automatic system. There are two buttons, one for rinsing and one for mixing. The machinery only requires basic ongoing maintenance, to be kept clean.

The constant recycling ensures for a clean plant with no slush and leaving a smaller carbon foot print. The trucks are constantly clean and there is no more build up in the mixing drums. Trucks can have more efficient usage, with fast cleaning and loading, resulting in better turnaround times.

Portland, situated on the Vissershok Road, between the picturesque Durbanville hills is the home to Portland Quarry, Readymix and Hollowcore.



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FURTHER INFORMATION



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