

Mechanical concrete: A road building revolution

Making a leap in waste beneficiation, the mechanical concrete system of road building transforms waste tyres into 'geo-cylinders', which function as lateral reinforcement elements and make road construction more affordable, faster and more sustainable.



Image source: www.tirosechaba.co.za

South African construction company Tiro Sechaba secured the licensing rights to the Mechanical Concrete technique and has been granted patent protection in South Africa. Operations director Robert Jooste says in addition to patent protection, Tiro Sechaba has secured Council for Scientific and Industrial Research (CSIR) and Agrément Board certification after exhaustive year-long testing of a 600m extended pavement.

Tiro Sechaba has now started a pilot project on a 2.6km section of road at the Fairview golf estate in Gordon's Bay.

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