

Evaluation Flooring, R4AWM partner in creating eco-bricks

Evaluation Flooring, in partnership with Recycle 4 Africa Waste Management (R4AWM), has launched the first phase of its sustainability project with the aim of enabling zero waste in the luxury vinyl flooring arena and building industry.



Image supplied

The campaign entails recycling offcuts and uplifts by transforming them into eco-bricks, pavers and potentially other re-usable products in the future. The first containerised unit to recycle material and create these eco-bricks has been set up at Grandwest Hotel Complex.

R4AWM has provided the containerised waste management unit (CWMU) systems, with more being manufactured as needed. It works by pouring waste into one side of the unit to be pulverised, heated, mixed and blended. A binder is then added and the mixture is poured into moulds, which are then cast into blocks or pavers. Anyone who has had training by R4AWM on manufacturing the blocks can use the machine. The container is equipped with the technology to convert non-recyclable or contaminated waste into enviro pavers and blocks. A heat box and mixing system is included in the container.



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Kevin Van den Wymelenberg, Leslie Dietz, Mark Fretz 21 Apr 2020



Viable building products

“Containerised waste management units will convert waste into viable building products and convert waste products from every industry into a generator of income for clients. All industries that generate waste can and should take advantage of eco-bricks,” says Eva Kaiser, founder of Evaluation Flooring.

According to Evalution Flooring, enviro blocks can be used in building strong, sustainable single-storey structures, which are energy efficient and cost-effective.

Kaiser also has strong thoughts on how this can be adopted into décor businesses to minimise landfill waste. “The product produces something called enviro aggregate, which can be cast into a variety of building products like water features, bird water baths, countertops etc. The imagination is all that limits the casting process. We have chosen blocks and pavers as these containers were originally designed for the rural areas to convert waste into blocks and provide employment at the source of waste generation. So, blocks in this context would be the most suitable finished product.”



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Suitable for urban, rural settings

Kaiser further explains that eco-bricks are suitable for urban and rural environments. “The use of CWMUs would provide a sustainable employment opportunity for the youth and small businesses. The business concept provides for the upliftment of communities by leasing the containers or providing grants for the purchase of the CWMUs.”

“Considering what the Covid-19 pandemic is doing to our world, I think it’s important that we take the opportunity to start cleaning up our environment and reducing landfill sites. With the CWMUs, landfill sites could be vastly reduced, ensuring cleaner environments and better air quality. There are guarantees provided for the recyclable materials through the R4AWM company, including long-term business opportunities and suitable incomes to those in our community,” concludes Kaiser.

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