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recycled aggregate concrete street furniture by cilicon factory



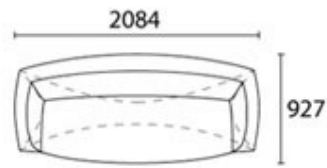
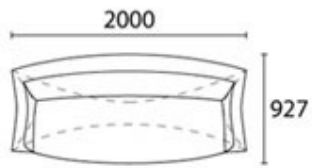
'reco' is a project by cilicon factory / national university of singapore

with an estimated 1.0 to 1.2 million tones of demolition waste produced annually and with the increased en-bloc activities, there is great potential in tapping on these recycled aggregates for non-structural application. the national university of singapore has successfully recycled aggregate/concrete into various applications. these recycled aggregates are obtained from the concrete from the construction, renovation and demolition of old building. this is another step towards creating a sustainable and environmental friendly built environment in singapore. the project is supported by BCA (building and construction authority) who has been promoting sustainable construction methods, which include the use of materials that can be readily recycled and reused for same or similar purpose. the technique created by associate professor wee tiong huan and his team from the university's department of civil engineering results in a homogeneously well-compacted mass for increased strength and robustness while further reducing the weight. the recycled concrete furniture was designed by cilicon factory and produced by compac green singapore pte ltd.

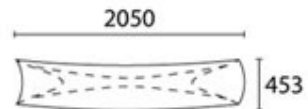
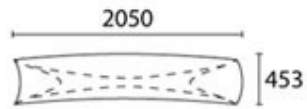


re-using waste is central to this urban project

RECO. Sofa 2008



RECO. Bench 2008



measurements



process of concrete re-use in situ



singaporean designers cici chen and lui honfay of cilicon faytory
 portrait © designboom

the work of cilicon faytory was shown in the platform exhibition at the IFFS singapore furniture fair. among the many projects was a series of living room furniture, using traditional manufacturing techniques with a new twist.



image © designboom

the 'bloco' sofa designed by cilicon faytory for massimmo won the furniture design award.



image © designboom

detail of 'double-face' fabric covering.



image © designboom

you can layer the stripes



image © designboom

ergonomic seating?