

GARBAGE TILES

Project Brief

Create a product which positively addresses issues of material consumption and sustainability.



1. The outer bag is a Heavy Duty Poly-Ethylene (HDPE) film (240gsm) which has been seam sealed using heat.



2. The bag is loaded with particulate waste, then sealed.



3. Heat is used to shrink the film around the filling.



4. The resultant form is solid, with the zig-zag seams limiting flexing.



Garbage bricks as roofing



Garbage bricks as walling

Design

This design is an attempt to utilise waste as a resource.

The tile is a derivative of structural insulated panels or SIPs, where the outer layers provide strength and rigidity while the internal layer provides thermal insulation.