WHAT IS HYDRO-BALE?

A cost-effective approach to alleviating flood and storm water run-off. It also provides a value engineering solution to the challenges of sustainable drainage systems (SUDS). Hydro-Bale is a Tirec Ltd term for the use of tyre bales as an alternative to storage tanks, granular fill and proprietary storm water management systems currently on the market.

FEATURES

This product is basically compressed tyres which form a rigid bale of high porosity and inherent strength. Produced in blocks 1.3m x 1.5m in plan and depth between 0.6 and 0.9m. The blocks have a porosity of 65% and permeability through depth of 0.1 to 0.2m/s, which gives 2 to 3 the times the storage capacity of granular material.

APPLICATIONS

* Soakaways/infiltration trenches
* Storage of rainwater for reuse and harvesting
* Storm water management and source control:
  * Housing developments
  * New and existing developments
  * Highway schemes
  * Car parks
* SUDS projects (new and retro-fit)
* Land drainage
* Flood alleviation
* Large area storage used in place of tanks, culverts etc

BENEFITS

* Made from 100% recycled materials
* Minimal impact upon the landscape
* Prevents sterilisation of the land
* Greater sustainability compared to traditional methods
* Modular system highly flexible with fast and simple installation which can be done with two operatives and an excavator
* Significant cost savings over traditional storage systems, which may save over 70% of costs

For further information please:
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