CASE STUDY



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Adnams Distribution Centre, Suffolk



Rainwater system

- 35,000-litre bulk storage
- 1,000-litre break tan
- 3-phase high pressure pump
- Location: Southwold, Suffolk
- Client: Adnams Brewery
- Architects: Aukett Fitzroy Robinson
- Requirement: Toilet flushing & Vehicle washing facility

Design data

- Average annual rainfall: 550 mm
- Available roof area: 4000 m2
- Estimated annual rainwater collection: 650,000 litres
- **Capital cost**: £10,700 (2006)
- **Completion:** Summer 2006

Regarded as Britain's greenest warehouse

the building was designed to minimise environmental impact and to show the clients' commitment to sustainability. It includes numerous sustainable construction techniques including the rainwater harvested from the sedum roof being used to flush toilets and to wash goods vehicles.

A design which blends the building into the natural landscape with minimum visual impact sedum roof. The longest glulam beams ever installed in the UK. Chalk, lime and hemp wall construction with lime render. Photo-voltaic energy used to heat water . Rainwater harvesting for flushing WCs and cleaning vehicles. Insulation and temperature control is so good that no mechanical plant is needed – even in summer – to keep the beer cool!