

# GTEC AQUA BOARD INSTALLED IN TV'S CROSSWAY ECO-HOUSE

Crossway Eco-House, Staplehurst, Kent

2008



bringing materials to *life*

Our latest innovation in gypsum boards, “GTEC Aqua Board” is being installed in a new Zero Carbon Passive House to be featured on TV.

The four bedroom house, named Crossway, hides within the rural landscape of Kent and uses a variety of recycled and locally sourced materials, from top to bottom.

Heating and energy supply comes from the UK's first use of a revolutionary Photo Voltaic Thermal (PV-T) system and the world's first salt phase change material thermal store backed up by an 11kW biomass boiler.

The eco-house includes triple

glazing and is insulated throughout using recycled newspaper.

Our GTEC Aqua Board is being used in vulnerable wet areas such as the outside car port, as well as the bathrooms and wet room. The high performance gypsum board was developed as an alternative to cement particle boards for wet and high humidity applications.

“This is why we developed GTEC Aqua Board,” said our Business Development Manager - Innovation Simon Scrase. “The board

underlines our commitment to sustainability – one of our core values – and this is now being reflected in its use in pioneering pro-environmental projects such as Crossway.”

GTEC Aqua Board offers superior water, mould and fire resistance, plus sound insulation and impact protection qualities. It is suitable for both internal and external environments, and can be left on site directly exposed to all weather conditions for up to six months.



Architect Richard Hawkes, of Hawkes Architecture, is passionate about the Crossway project and its minimal impact on the surrounding environment.

“At Crossway, we are exploring the uniqueness of place, through the building’s form and palette of local materials,” he said. “We believe in an ethical, holistic, sustainable, one planet living approach to building design.”

The project is due for completion in December 2008 and will be shown on TV in March 2009.



**External Application** ↑

A view into the car port with GTEC Aqua Board installed to the underside of the car port roof.



↑  
**Internal Application**

The family bathroom boarded with GTEC Aqua Board and ready for tiling and second fix of the sanitary ware.



↑  
**Heating and Energy Efficiency**

From left to right - Phase change thermal store with a 4kw heat register above linked to the heat recovery ventilation unit. Far right is the biomass boiler which is only used if the sun doesn't come out for days on end.

**Project Details:**

- Architect: Hawkes Architecture
- Main Contractor: Ecolibrium Solutions

**Product Focus:**

**GTEC Aqua Board - a new high performance gypsum board**

Developed as an alternative to cement particle boards, GTEC Aqua Board is suited to wet and high humidity applications, and offers the user a range of outstanding technical and practical advantages over comparable products available on the market today.



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For a **FREE** information pack please contact Lafarge Literatureline on 01275 377582.

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