

# maden eco



## Low Energy Farmhouse Case Study Construction

Maden Eco Ltd  
Eco House  
Kings Mount  
Ramparts Business Park  
Berwick upon Tweed  
Northumberland  
TD15 1TQ

T: 01289 333110  
E: [info@madeneco.co.uk](mailto:info@madeneco.co.uk)



# maden eco



**Client:** Mr & Mrs Mitchell  
**Project:** Mount Pleasant Farm

Low energy new build project

Maden Eco were invited to contract for the building of a new low energy farmhouse at Mount Pleasant Farm near Berwick-upon-Tweed for Mr & Mrs I Mitchell. The original design was by a local architect but Maden Eco redesigned many elements to make the design suite the needs of the customer.

The facade was built using a mixture of buff random stone supplied by Hutton Stone Company and other elements rendered with K-Rend a polymer modified render with a through colour guaranteeing the colour.

The large glazed portal is thermal control glass with the roof set in a blue tint to reduce the intensity of the sun in the summer months. A contemporary grey colour was chosen and this matched through the front door and other elements.

The staircase designed by Simon Maden uses oak and glass to good effect which is shown off in the cantlevered upper hall. The majority of the ground floor was covered in a honed limestone. The doors are oak and the kitchen was handmade oak with granite worktops.

The heating system is wet radiator on the first floor with underfloor heating on the ground floor heated via a groundsource heat pump with solar thermal for hot water.



## Low Energy Farmhouse Case Study Construction

Maden Eco Ltd  
Eco House  
Kings Mount  
Ramparts Business Park  
Berwick upon Tweed  
Northumberland  
TD15 1TQ

T: 01289 333110  
E: [info@madeneco.co.uk](mailto:info@madeneco.co.uk)