



Efficiency and
Affordability

Case study

Creative Energy House

Nottingham

Client: BASF and the University of
Nottingham

Architect: Derek Trowell Architects

Main contractor: J E Gibbings and Son

Colorcoat® product: Urban™ (roof),
Corus Plank 150 (walls)



Terracotta



Goosewing Grey



Sustainable urban roofing

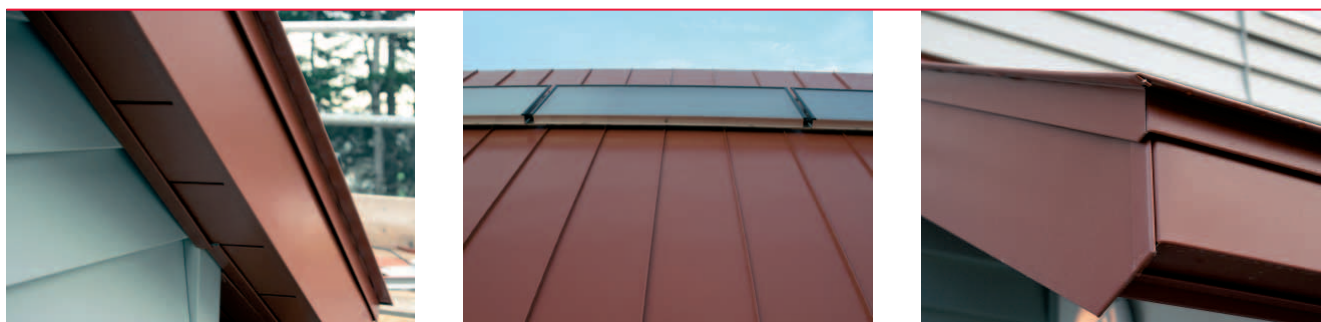
Corus Colorcoat Urban™ roof was chosen, ahead of more traditional roofing products for this eco-build project because of its strong aesthetics, clear sustainability credentials, long life performance and highly competitive price.

The crisp standing seam profile, with appropriately scaled, neat detailing is used on a sub-structure of SIPS panels. The use of Colorcoat Urban™ gives the house an ultra low carbon roof, and because the material is 'BS6920 certified: drinking water safe' the occupants can safely utilise the collected rain water for an increased number of uses, for example washing clothes.

For this house, the Colorcoat Urban™ roof colour was carefully selected to complement its surroundings, and because the Terracotta incorporates special pigments for solar heat management - creating a cool roof which helps reduce any local environmental heat island effect.

Energy efficiency and affordability were the primary requirements for the house, intending to demonstrate a solution to two major issues facing the construction industry. The house has achieved Code for Sustainable Homes Level 4. The roof easily integrates the solar thermal unit and the house design is future proofed to achieve higher levels of the code, as the roof can also support Photovoltaics. The competitive price of the roof has contributed to it achieving the affordable £70k build price tag for a development of 20 units.

“The signature roof aesthetic for the sustainable urban building.”



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