

Zero Carbon House

Inspiring Surface Design



MYKON

The Customer

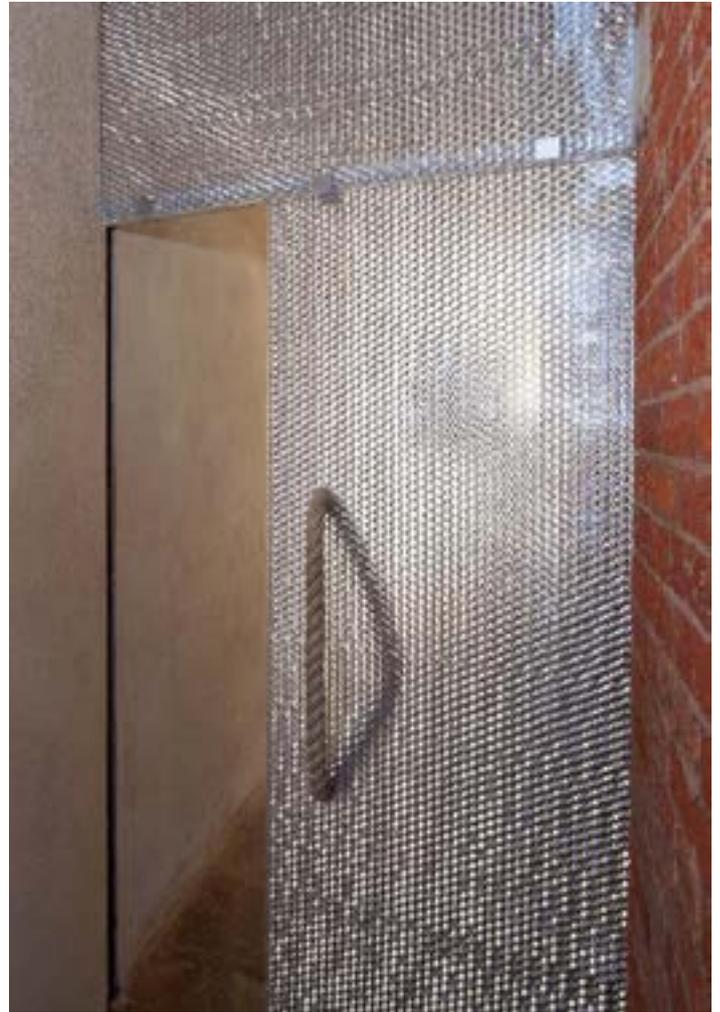
John Christophers of Association Architects wanted to show that it is possible to turn an existing property into one with a zero carbon status. The house is in inner Birmingham and was built in the late 19th Century. It is now home to John and his family.

The Challenge

The house needed to use many natural and unusual materials in order to produce at least as much energy as it took in. Mykon was asked to put forward a product that could help to achieve this goal.

The Solution

A floor panel made from B Clear with glass skins would be used in one area of the house. Its 78% light transmission rate would illuminate the previously dark space underneath the staircase.



Polycarbonate-skinned B Clear would also be used as the draught door for the house, and several more panels were joined to make a floor-to-ceiling-height panel with a sliding door at the bottom. When shut, this door combined with the panel would work to stop heat escaping from the house. The panels would have better insulating properties than glass alone yet let through nearly as much light.

The Outcome

The project has attained Level 6 and has been tested by scientists to prove it would remain carbon neutral - even in an arctic environment! The B Clear panels played an important part by lessening the need for electric lighting and allowing for savings on heating bills.

B Clear

Aluminium honeycomb core encased in glass or acrylic skins.

Each individual cell allows light to pass through, but together the cells remain translucent to ensure privacy when it is required.

Lightweight but strong, B Clear is ideal for incorporating into partitions, screens and floors.



[Find out more](#)

"My favourite aspect? The way they catch the light and intensify it, the irregular texture of the panels giving an animated sparkle to sunlight."

