

Pixel Building

case study
By Emily Rosa

Melbourne, Australia



Architect: studio505

Owner: Grocon

Year of completion: 2010

Climate: Marine West Coast Climate

Material of interest: Aluminum Composite panels

Application: Exterior

Properties of material: The recycled panels include aluminum skins with a non-combustible mineral filled core, and a coating of fluorocarbon paint. The facade is a system of perimeter planters, fixed shading louvers, double glazed window walls and solar panel shading. Recycled colour panels provide maximized daylight, shade, views and glare control. The building features a number of sustainable technologies, including wind turbines, solar panels, maneuverable louvers, a living roof, specialized concrete, recycled panels, and smart window technology, and is currently one of the leading sustainable buildings in the world.

Sources:

<http://www.archdaily.com/190779/>

<http://alpolc-usa.com/alpolc-projects/alpolc-panels-contribute-to-one-of-the-greenest-buildings-on-earth/>