

## Sainsbury's Distribution Centre: Pineham

The Worlds First Planet Positive™ Building



**Client:** Sainsbury's  
**Developer:** ProLogis  
**Product:** Twin-Therm® & SolarWall®  
**Architect:** Stephen George & Partners, Solihull.  
**Cladding Contractor:** CA Roofing Services.  
**Roof:** 54,040m<sup>2</sup> Twin-Therm® using Corus Colorcoat HPS200 Ultra® in Goosewing Grey.  
**Walls:** 6,760m<sup>2</sup> Twin-Therm® using Corus Colorcoat HPS200® in Goosewing Grey. 3,414m<sup>2</sup> Twin-Therm® in Corus Colorcoat Prisma® in Alaska Grey.  
**Total average:** Annual energy savings for this project are estimated to be 256,093kWh & 61tonnes of CO<sub>2</sub>.  
**SolarWall:** 947m<sup>2</sup> using Corus Colorcoat Prisma® in Alaska Grey.  
**Sustainability Credentials:** Planet Positive™ (Complete Building). Corus Confidex Sustain® (Building envelope)

*ProLogis were adamant that the Sainsbury's distribution centre at Pineham should be the first Planet Positive™ building in the world.*

The initiative undertakes to offset all of the CO<sub>2</sub> expended during the

construction of the building - and then to offset a further 10%, delivering a net environmental legacy.

The inclusion of SolarWall® perforated Transpired Solar Collector means that the building will make a significant contribution to its own running costs throughout its service life. The SolarWall® system has been independently tested, monitored, recorded and proven by BSRIA to produce annual heating cost savings of 64% and an independently thermally modelled report by Battle McCarthy proved SolarWall® can provide up to 20% of a building's total energy requirements.

The SolarWall® perforated Transpired Solar Collector and the Twin-Therm® built up roof and wall cladding system were provided as CarbonNeutral as part of the Corus Confidex Sustain® Guarantee, which ensures that all of the unavoidable carbon emissions created throughout the entire life of the SolarWall® and Twin-Therm® systems, cradle to cradle, is offset by investing in environmental projects worldwide. Corus Confidex Sustain® is



available on Colorcoat® assessed cladding systems from CA Group using Corus Colorcoat HPS200 Ultra® and /or Colorcoat Prisma®.