

Unidek Ltd – a proven approach to sustainable building

Unidek Bv has been manufacturing innovative and sustainable products for the European construction industry for almost 40 years and, amongst many successful products, its revolutionary Structural Insulated Panel System (SIPS) has established a market-leading position for roofing solutions in several countries.



Following a detailed four-year roofing SIPS analysis for the UK Construction industry, **Unidek Ltd** has been established to provide high performance products to the UK construction market. Unidek is part of CRH Plc, which has an annual turnover in excess of €21 Billion, operates in 33 countries and has over 92,000 employees.

This Group strength enables Unidek Ltd to draw on a vast resource of experience and expertise in the UK construction industry, with sister companies that include Ibstock Brick, Forticrete, Heras Fencing, Halfen Fixings, Ancon Fixings, Kevington Brick, Springvale EPS,

Ecotherm Insulation, Cox Building Products and Airvent Systems as just some of CRH Plc's major brands in the UK.

This manufacturing network, together with numerous relationships built up within the construction sector over the past 40 years, provides this new development with the capability to bring designers & design professionals, contractors, housebuilders and Housing Associations the opportunity to meet the challenges of the many legislative and regulatory issues that SIPS can accommodate through both performance and cost advantages.

Unidek SIPS have established a market-leading position since their inception, some 30 years ago.

Unidek Condor SIPS

Tested and proven to 6m unsupported spans

The **Unidek Condor** system comprises a core manufactured from high density expanded polystyrene sandwiched between two timber skins to form a composite panel. The combination of a highly developed sandwich technique with high load-bearing capacity and a comparatively low weight allows for free, unsupported spans of up to 6 metres, negating the need for roof trusses and enabling the cost-effective creation of third storeys or 'rooms in the roof'.



Proven in use on thousands of applications throughout Europe, the system is fast, safe and efficient to install and provides an immediately weathertight environment for following trades and the structure below. The integral insulation also means the panels will give the required thermal resistance to ensure an efficient roof element and assist developers in meeting the higher levels of the Code for Sustainable Homes cost-effectively.

They also contribute significantly to the overall SAP or SBEM rating of a building, as the reduction in carbon emissions is achieved by the exceptionally low U-values possible for a pitched roof – typically 0.16W/m²K for a 245mm thick panel.

Key Benefits

- instant room in roof
- maximum speed
- maximum value
- minimum costs
- environmentally advanced
- modern method of construction
- thermally efficient
- improved sound reduction
- virtually eliminates air leakage
- zero Ozone Depletion Potential (ODP)
- zero Global Warming Potential (GWP)
- full energy ratings service for Part L
- full technical support service
- design & installation service
- time, cost & quality assured
- BBA approved
- summary rating 'A+' to the Green Building Guide

Unidek Condor SIPS are manufactured in a factory environment to the quality management system ISO 9001:2000.

Unidek engineers offer a comprehensive support package, including design and installation with full visuals and CAD-drawings supplied prior to installation to eliminate any on-site delays.