



Case study

Living Roof for the Visitor Attraction at Northumberland National Park

Product XPS 300
Application Green Roof - 1900m²

Sundolitt XPS chosen for Northumberland National Park's new and exciting National Landscape Discovery Centre. Known as The Sill, this striking new visitor attraction near Hexham is inspiring people of all ages to explore the landscape, history, culture and heritage of Northumberland.

XPS 300 was specified by JDDK architects for the innovative living roof which is fully accessible with a walkway and platforms, providing a vantage point across one of the UK's most magnificent landscapes and the UNESCO World Heritage Site of Hadrian's Wall.

The XPS insulation was installed with flower-rich native Whin Grassland planting. Sundolitt XPS was chosen as a cost effective solution that could withstand the heavy loads of soil and planting as well as constant footfall on the roof. XPS is not affected by water allowing the green roof to thrive.

The creation of the living roof with Whin Grassland habitats is a unique feature of the visitor centre.

The soil was specially made to emulate soils found in abandoned whinstone quarries locally. Species of small, slow growing grasses and flowers were sown and will thrive on their XPS base with minimal maintenance.

Stuart Evans, Head of Corporate Services for Northumberland National Park Authority, said: "Sundolitt's XPS insulation provided the National Park Authority with a solution to confidently progress with the installation of a publicly accessible local grass and wild flower roof to take the weight of over one metre of soil and drainage substrata, whatever the weather. This is the first time such a facility has been designed into a building in the UK. The living roof is the standout feature of the building and is loved and appreciated by our visitors"



XPS Benefits

-  **Load Bearing**
-  **Lightweight**
-  **Water Resistant**
-  **Resistant to freeze/thaw**
-  **ODP = 0 GWP = <5**
-  **Versatile**
-  **Fully Recyclable**

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