

Project Study

Regain 2

The redevelopment of the former Ebbw Vale Steelworks has been designed to achieve strict targets for biodiversity, social, and environmental sustainability.



BUILDING BOARD

Type:	New build
Roof Size:	300 m ²
Specifier:	Blaenau Gwent Borough Council
Main contractor	Knox & Wells Ltd (CARDIFF)
Approved Contractor:	J Randall Roofing Contractors Ltd.

INSTALLED SOLUTION

Waterproofing: BauderFLEX with Biodiverse Green Roof and BauderSOLAR G LIGHT

A single-point, fully sustainable solution was successfully installed, containing the BauderFLEX warm flat roofing system, along with a biodiverse green roof and BauderSOLAR G LIGHT biosolar photovoltaic mounting system.

Regain 2 is located on the new 'The Works' site. The redevelopment of the former Ebbw Vale Steelworks has been designed to achieve strict targets for biodiversity, social, and environmental sustainability. This project forms part of an initiative that promotes low-energy, sustainable design in industrial buildings.

This project (also known as 'NDEC') is a finalist in the National Federation of Roofing Contractors (NFRC) 2024 UK Roofing Awards Green Roof category.

The client explored several low-carbon technologies during the design stage to meet the objectives of achieving a BREEAM excellent-rated building. Incorporating a Biosolar solution enables the whole roof area to be vegetated whilst maximising PV output. The Flora 3 seed mix that was used was specifically designed to flourish beneath the PV modules.



ADVOCACY

Paulo Santos, BGBC:

“I was impressed with the inspection reports from Bauder that kept him aware of progress and was extremely impressed with J Randalls and the finished project.”

Mike Feehan, Commercial Manager, Knox & Wells:

“A great project to be involved in and by using Bauder & J Randall, we were able to offer a single-point, fully integrated green/solar PV that met the BREEAM requirements of the client.”

Monique Jones, J Randalls:

“A great sustainable project to be involved and we are very proud to be nominated for the NFRC Green Roof Awards. It also gave the opportunity for one of our apprentices to project manage whilst being shadowed by Jobie and Shella Randall.”

PRODUCTS INSTALLED

Vegetation:	BauderGREEN Flora 3 Seed Mix
Biodiverse substrate:	BauderGREEN SUB-BM UK biodiverse substrate
Filter Fleece:	BauderGREEN FV 125 100
Drainage board:	BauderGREEN DSE 40
Protection Layer:	BauderGREEN FSM 600
Green roof cap sheet:	BauderPLANT E 42
Underlayer:	BauderTEC Sprint DUO
Insulation:	BauderPIR FA-TE

