

### Bishops Wood Centre



#### Project Brief:

Bishops Wood Centre, Birmingham, a unique and sustainable building used to educate people on the environment and offer opportunities to explore the great outdoors required a new waterproofing system for the existing aged green roof as it had reached the end of its serviceable life, causing water ingress into the building below. As the centre is focused on environmental protection, the green credentials of **Cold Melt®** made it the ideal waterproofing solution to use.

#### Key Requirements: High Performance Waterproofing

The existing green roof was stripped back to mineral felt. This was then overlaid with **Pro-Carrier Membrane SA** to provide a suitable substrate for the application of **Cold Melt®**. **Cold Melt®** was then applied to the entire roof and upstands to provide a completely seamless, robust, waterproofing finish. **Cold Melt® UV Top** was finally applied to the exposed upstands and details to protect them from UV damage. **Proteus Waterproofing** worked closely with the **Proteus Approved Contractor** to ensure the project was completed to a high standard.

#### Key Requirements: Health & Safety

As staff and visitors were always present while the works were being completed, a low odour system was essential. As **Cold Melt®** has virtually no odour, disruptions to staff and visitors could be kept to a minimum meaning the centre could run as normal. Its cold application meant the risk of fire was completely eliminated, and all health and safety criteria could be met.

#### Key Requirements: Long Term Performance

Incorporating recycled rubber crumb and organically grown products, **Cold Melt®** creates an elastomeric, seamless, cold applied waterproofing membrane. The **Cold Melt®** system can include inverted roof insulation and, with or without insulation, can be designed as a paved, ballasted, green or brown roof. The membrane does not become brittle with age, is **BBA Certified** to last the life of the structure and is **made in the UK**.

#### Proteus Waterproofing Limited

21a Sirdar Road  
Brook Road Industrial Estate  
Rayleigh  
Essex SS6 7XF

Tel: 01268 777 871

Email: [office@proteuswaterproofing.co.uk](mailto:office@proteuswaterproofing.co.uk)  
[www.proteuswaterproofing.co.uk](http://www.proteuswaterproofing.co.uk)