

Radmat

building products

T: 01858 410 372

E: techenquiries@radmat.com

sales@radmat.com

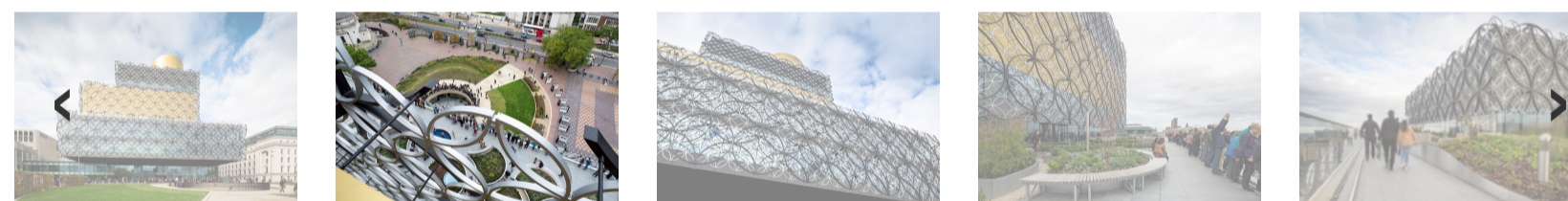
Library of Birmingham

- A flagship project for the city of Birmingham
- Features two garden terraces with BREAAm Excellent rating
- Uses PermaQuik PQ1600 Hot Melt Monolithic waterproofing system

“Birmingham City Council’s intention was to create a world class landmark civic building in Centenary Square, we are delighted in the way in which the project has been delivered. The building is testimony to good communication and a non-contractual approach to delivering a major scheme.”

Terry Perkins of Birmingham City Council.

The largest public library in the UK



Also the largest public cultural space in Europe, the new 35,000m² Library of Birmingham replaces the old Central Library and is seen by Birmingham City Council as a flagship project for the redevelopment of the city. Designed by architects Mecanoo, working with multi-discipline engineers Buro Happold and main contractor Carillion, the multi-tiered roof of the library features two garden terraces which have both contributed to the BREEAM Excellent rating.

Radmat Approved Contractor Prater delivered a roofing solution that is BBA Certified to last ‘the life of the building’. Consisting of Radmat PermaQuik PQ6100 Hot Melt Monolithic waterproofing membrane, root resistant Cap Sheet and ProTherm inverted roof insulation, the entire roof was electronically tested for integrity prior to the installation of aluminum powder coated cappings to the perimeter roof upstands.

Once the installation of the 7,500m. of PermaQuik PQ6100 roofing system on the roof and ground level podium deck was signed off by a Radmat Technical Adviser, Prater brought in specialist green roof contractor Frost Landscapes. They then carried out the installation of the complex intensive green roofs, at levels 3 and 7, which were created to attract local wildlife and to offer visitors a pleasant environment to enjoy all year round.

Combining durability and flexibility with independent verification of life expectancy and a market leading guarantee the *PermaQuik PQ6100 Hot Melt Monolithic waterproofing system* is set to deliver exceptional performance befitting of the uniquely designed structure which has set a remarkably high standard for library design.

With Radmat’s high performance roofing solution providing weathertight protection for years to come, the Library of Birmingham looks set to not only form the catalyst for further regeneration within the city but also how future libraries are designed and perceived by the user.

[See Case Study](#)