

CASE STUDY



CAMBRIDGE MOSQUE

PROJECT REFERENCE: Cambridge Mosque

Main Contractor: Green Roofing

Roof Area (m2): 2000M²

PRODUCTS:

MOY Paralon Total Warm Roofs System

COMPLETION DATE: March 2019

CAMBRIDGE MOSQUE



BACKGROUND

Moy Materials were delighted to be involved with the £23million mosque in Cambridge. Cambridge Mosque aims to be Europe's first eco-friendly mosque by incorporating specialised design features to minimise carbon emissions. The architectural team, led by the award-winning London Eye architect, Marks Barfield Architects, worked closely with the world-renowned sacred geometer, Keith Critchlow from The Prince's School of Traditional Arts in London. The design incorporates elements from both traditional Islamic architecture and the surrounding city of Cambridge.

CHALLENGES

The challenge in this project is to create an eco-friendly mosque with specialized design features that minimize carbon emissions. Additionally, the integration of traditional Islamic architecture and the unique characteristics of the Cambridge cityscape poses a creative and technical challenge. The project also requires careful consideration of the acoustic properties and insulation scheme to create a comfortable and peaceful environment within the mosque.

SOLUTION

Moy Materials specified the use of the Paralon Total Roof System under their uniquely designed acoustic, tapered insulation scheme. This roofing system has undergone testing as an assembly by the British Board of Agrément (BBA), providing the client with a long-term, single-point guarantee for the entire system. This comprehensive solution not only meets the technical requirements for a durable and efficient roof but also offers the client complete peace of mind for many years to come. The collaboration between Moy Materials, Marks Barfield Architects, and Keith Critchlow ensures that the project integrates eco-friendly practices, traditional Islamic architecture, and the local context of Cambridge, creating a unique and sustainable mosque for the community.



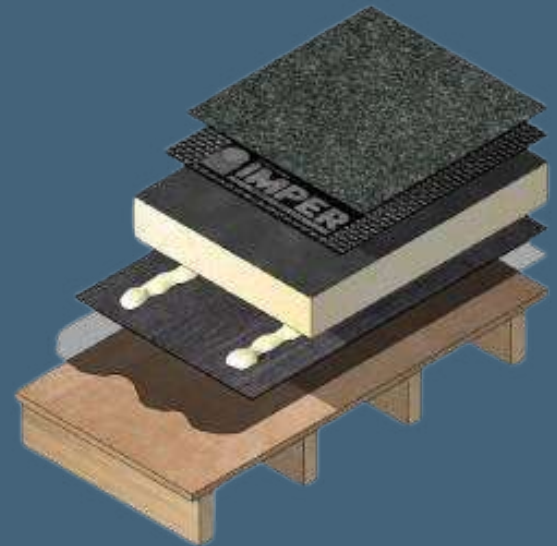
SYSTEM USED

PRODUCT

MOY Paralon ARD/S Cap Sheet -
Waterproofing Membrane

DESCRIPTION

Paralon ARD/S is an APP and SBS modified bitumen polymer waterproofing membrane intended for all waterproofing applications. The APP/ SBS bitumen compound's special formulation ensures high mechanical performance, cold flexibility at temperatures down to -20°C and excellent fatigue strength.



BENEFITS

- UV PROTECTION
- SLIP RESISTANCE
- HIGH MECHANICAL PERFORMANCE
- COLD FLEXIBILITY (-20°C)
- EXCELLENT FATIGUE STRENGTH
- FREE FROM ASBESTOS, TAR, OR DANGEROUS SUBSTANCES
- CERTIFIED: BBA, NSAI, CE MARKED

FULL SPECIFICATIONS
ARE AVAILABLE ON NBS.



DURING IMAGES



COMPLETED IMAGES



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