

Kemper System Provides a Membrane Fit for a Mayor

Mansion House, London



Kemper System's Kemperol V210 cold liquid applied waterproofing membrane has been used to overlay part of the roof at the Grade I listed Mansion House, the residence and offices of the Lord Mayor of London.

Completed in 1758, Mansion House is one of London's most iconic buildings and the latest City of London Corporation property to be refurbished using Kemper System membranes, following the recent success of a Kemperol overlay at the Guildhall Library.

The speed and ease of installation, BBA-accredited service life and performance demonstrated by Kemperol liquid waterproofing systems at the Guild Hall scheme made it a natural choice when the mansard roof above staff quarters at Mansion House began to show signs of water ingress.

The area of roof in question had an inverted build up that had last been refurbished around 40 years ago. To address the water ingress issues, contractor, A&L Roofing Services, first removed the stone cladding and insulation to access the failing membrane.

Holes and cracks in the membrane were filled and the substrate was cleaned and prepared with primer. The contractor then installed the Kemperol V210 membrane as an overlay to the existing substrate removing the cost and logistics needed to strip out and transport the old membrane to landfill.

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The Kemperol V210 resin was cold applied in a single wet-on-wet process that ensures complete saturation of the reinforcement fleece. It was allowed to cure, forming a flexible monolithic membrane that bonds directly to the substrate, before A&L Roofing Services completed the roof refurbishment, reusing the existing insulation and stone cladding.

Comments Lee Lane from A&L Roofing Services, "The project involved numerous challenges, including secure access to site and static plant on the roof that could not be moved or raised. Using the Kemperol V210 membrane from Kemper System meant that there was no requirement for hot works or cumbersome equipment. It also enabled us to ensure excellent waterproofing integrity around all the details for a robust and durable solution that will protect this historic building for a BBA certified period of at least 25 years."