

Kemperol Translates to Durable Solution at Secondary School

Barr Beacon School, Walsall, West Midlands



A school in the West Midlands now exceeds building regulations for thermal performance thanks to the installation of a new Stratex warm roof from Kemper System.

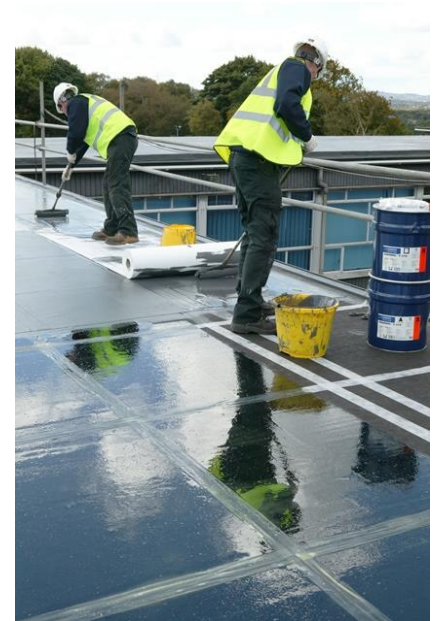
Barr Beacon School and language college in Walsall boasts several buildings on campus, each of which has existing insulation and a felt roof. Water ingress in some areas of the roofs led to a decision to refurbish and upgrade the roofs, comprising a combined area of around 900m². Roofing contractor, Cooper Roofing, was brought in to carry out the work and specified Kempertherm insulation board from Kemper System along with the roofing specialist's Kemperol V210 cold liquid-applied waterproofing membrane.

Cooper Roofing carried out the programme in sections, completing each area of the roof before moving on to the next. Localised repairs were carried out to the existing roof and this was then cleaned and prepared for overlaying with the new Stratex warm roof system. The existing roof membrane acted as the vapour control layer for the new roof and 123mm Kempertherm insulation was bonded directly onto the prepared substrate. This was then coated with Kemper System's D Primer and, once the primer had cured, Cooper Roofing applied the Kemperol V210 liquid waterproofing. The V210 resin saturates a flexible reinforcement fleece, which is laid in a single process and cures to create a strong, flexible and durable waterproof membrane that cannot delaminate.

Cooper Roofing completed the installation by stripping back the gutter areas, where a new vapour barrier was installed, and creating a clean edge with a new GRP trim.

The Stratex warm roof system from Kemper System means that Barr Beacon have been able to renew the waterproofing integrity of the roofs and improve the thermal performance of the building in a single project, without the expense and upheaval of a major strip out. Thanks to the 20-year warranty offered by Kemper System

the School can also be confident that the new roofing membrane will provide a long service life, maximising the value of the investment in the campus.



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