



The Wing, Battle of Britain Memorial, Capel-le-Ferne, Kent



2015 will mark the 75th anniversary of the Battle of Britain.

In light of this, the £1.5 million Wing visitor centre has been constructed to commemorate 'the few' who fought in the skies above Britain during WW2.

Located in Capel-de-Ferne, Kent, the centre will be a high-tech exhibition designed to secure the memories of the veterans for many years to come.



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The Challenge

The visitor centre roof has been set at 6 degrees to form an exact replica of two spitfire wings. This unique construction meant the need for superior materials, such as Protect 5000 Façade, TF200 and BarriAir, that could cope with the challenges of the design. The materials also needed to be resilient to cope with the harsh coastal conditions in the South of England.



The Solution

By using Protect 5000 Façade, The Wing is provided with proven UV, heat and weather resistance. The high performance, hybrid, non-woven membrane is suitable for open or ventilated cladding applications and fully resists the passage of water, windblown snow and dust into the structure.

Protect TF200, a high performance membrane, was chosen for its vapour permeable qualities to protect the internal structure from moisture ingress whilst allowing water vapour to be dispersed, and reducing the buildings condensation risk.

BarriAir provides integrated lap and seal technology to allow easy installation of the highly effective air leakage barrier. By reducing convection flows, BarriAir improves the thermal performance of all insulants, lowering the overall heating demands and costs of the structure.

With the help of Protect membranes, The Wing Visitor Centre will become an enduring symbol for those who fought in The Battle of Britain.

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