

BMW Pineham

Helping BMW on the road to sustainability



Project: BMW

Project Type: Distribution Centre

Project Architect: Stephen George & Partners Limited, Solihull

Main Contractor: Buckingham Group

Cladding Contractor: CA Roofing Services

System: Twin-Therm® Roof and Wall

Materials: Colorcoat HPS200

Ultra® Roof in Goosewing Grey and Colorcoat Prisma® Walls in Alaska Grey, Oyster and White

A new curved roof system has been used for the first time at the new BMW Group (UK) Ltd distribution facility at Prologis Park, Pineham, in Northampton.

The project, which was carried out in conjunction with Buckingham Group, demonstrates CA Group's innovative approach to roofing.

Brian Watson, Group Development Director at CA Group, explained: "We worked closely with developer Prologis to create a system that would deliver many strategic benefits. The introduction of simple sustainable measures made a major difference, providing the BMW Group with a highly cost-effective building from which to operate."

The design incorporates CA Group's Twin-Therm® technology, a fully-walkable cost effective solution which provides a high degree of flexibility and exceptional air tightness levels. Twin-Therm® is delivered as a carbon neutral envelope and uses man-made

mineral fibre insulation, which is non-flammable. The system also successfully addresses the issue of water ingress, one of the biggest hidden costs for building owners, by eliminating fastener penetrations which go directly from the outside to the inside of the building. As a result it offers a leak-free roofing solution.

The solution also eliminates the need for standing seam and secret fix roof options, which translates into a significant cost reduction to the scheme. In plane rooflights are retained and the cost effectiveness of the external profile adds tremendous value to the overall delivery team. Clarity is critical regarding the frame design and the roof itself and CA worked closely with the steelwork contractor to deliver a successful result.

The ability to retain glassfibre insulation in the specification ensures that the roof complies with the recent report published by UNEP (United Nations Environmental Programme) relating to insulation choice and the impact which some insulations are still having on the ozone layer.

Furthermore at the end of the building's life the building owner will not be faced with any unforeseen disposal costs – A problem facing many building owners today.

CA Group worked with Tata Steel on the project to provide its Colorcoat HPS200 Ultra® in Goosewing Grey and Colorcoat Prisma® in Alaska Grey, Oyster and White. Exclusively manufactured by Tata Steel, both Colorcoat® products have the unique Galvalloy® metallic coating for exceptional corrosion resistance and cut edge protection, resulting in a Confidex® Guarantee for up to 40 years.

This is an extremely cost effective, aesthetically pleasing solution which offers a great deal of flexibility. When combined with CA Group's Twin-Therm® roof and wall system we believe it provides some of the most advanced protection available on the market today."

This collaboration with Buckingham Group is another in a long line of projects which the companies have successfully completed together.