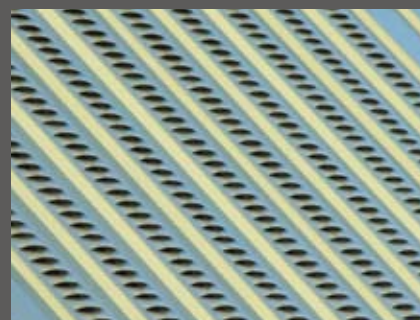




## Corus Panels and Profiles Case Study

# Home Farm Equestrian Centre, Brockhampton

The £700,000 international equestrian centre in Brockhampton, Gloucestershire made comprehensive use of the flexible total building envelope solution from Corus Panels & Profiles. The equestrian centre, a large column wide span structure designed with a very specific use, had to be a hard working building able to provide a pleasant, airy and comfortably ventilated environment for both riders and horses alike.



### Project details

Client:	Home Farm Equestrian Centre
Contractor:	S&J Roofing
Corus cladding system:	Trisomet® system
Colorcoat® product:	Colorcoat HPS200® in Olive Green

The site was developed to include a 60m x 20m international-size indoor arena, as well as two-storey accommodation with an administration area and viewing gallery. Meeting the needs of valuable horses, international standard riders and office staff called for a flexible cladding system able to be designed for such exacting requirements.

The contract was won by Corus Panels & Profiles, after the company demonstrated its ability to meet all the specific and varying requirements of the building design through its extensive metal profiling range spanning composite and built up systems. The wide product range allows the specifier to make the optimum decision based on the design and building performance required.

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**“For us, being able to source the complete solution from a supplier with such extensive industry experience was invaluable. Offering the total envelope solution, Corus Panels & Profiles is in the unique position of being able to offer genuinely objective advice.”**

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Gary and Jill Rickards, owners of Home Farm Equestrian Centre, commented: “For us, being able to source the complete solution from a supplier with such extensive industry experience was invaluable. Offering the total envelope solution, Corus Panels & Profiles is in the unique position of being able to offer genuinely objective advice. We therefore had total confidence that our specific requirements were clearly understood and that we would get the best products for the various applications.”

Corus Panels & Profiles Trisomet<sup>®</sup> profiled composite roof panel was specified for its excellent thermal efficiency to prevent condensation in the uninsulated arena. Pre-engineered to allow modular construction and thus faster installation on site, Trisomet<sup>®</sup> has been developed to meet stringent testing standards, with performance verified to ensure long term and sustained thermal efficiency. In a facility that is dedicated to animal use, the easy wash down nature of the cladding system brought with it an added benefit for the staff at the equestrian centre, who are proud of their new building and work hard to keep it spick and span. Should a panel be specifically damaged at any time, perhaps by a wilful young horse undergoing training in the internal arena, it will be easy to replace, allowing Home Farm to be kept in the pristine condition expected of an international equestrian centre.

Trisomet<sup>®</sup> is a PIR insulated composite roof and wall system. With manufacturing of the system taking place off site in a controlled environment, specifying Trisomet<sup>®</sup> provided fast track insulated construction and minimum disruption on site at Home Farm. With no requirement for any additional support steelwork for ridge flashings, the system was quickly installed at Home Farm. With panels coming to site ready for installation, cost savings in both labour and materials gave added value to the project, while on site creation of construction waste was kept to a minimum.

In a large volume space such as in indoor riding arena, the need to maintain a constant internal temperature in as cost effective a manner as possible was a key factor in the specification of Trisomet<sup>®</sup>. Furthermore, Trisomet<sup>®</sup> is a robust, true trapezoidal product with great inherent

strength designed in, which made it the ideal roofing system to specify to safely span the wide, column free indoor arena.

Ventair was incorporated into the single skin wall profile to allow discreet cross-ventilation without compromising the aesthetics of the building. Ventair side cladding proved to be the best solution on the market for creating an internal enclosure that still provided a fresh air environment. Ventair is made from a 32mm reversed box profile, with louvers cut into the broad ribs both across the sheet and to any length down the sheet as well. These louvers offer little resistance to air flow, but rather help direct incoming fresh air upwards, keeping the internal riding ring free from draughts.

Rooflights, supplied by Filon, one of Corus Panels and Profiles' Platinum partners, were chosen not only to allow natural daylight into the arena, but because they also prevent glare.

The building envelope incorporates Corus high performance pre-finished steel, Colorcoat HPS200<sup>®</sup>, specified in Olive Green to blend with the Equestrian Centre's countryside surroundings. The product is maintenance free and is backed up by the unique Confidex<sup>®</sup> Guarantee from Corus, which offers comprehensive cover including cut edges, for up to 30 years. John Saunders, from contractors S&J Roofing, comments: “We have a good relationship with Corus Panels & Profiles and have used its products for many years. They are high quality and are very quick and easy to install – particularly the Trisomet<sup>®</sup>, which is delivered as a single panel and features a unique interlocking joint – saving onsite time and costs.”