

MERCIA ACADEMY - MULTI-SPORTS FACILITY

Mercia Academy aimed to enhance its sports facilities by constructing a new multi-sports hall, selecting J & J Carter to partner with Reds10 Modular Ltd for the project. The goal was to create a versatile space to accommodate various sporting activities for students.

We hope to share more images of the fully completed project very soon!

KEY FACTS

LOCATION: United Kingdom

STRUCTURE: Frame Supported

INDUSTRY: Education

ROOF FORMS: Planar

MATERIALS: PVC Coated Polyester



KEY CHALLENGES

The primary challenge was to design a facility that would meet the diverse needs of students while ensuring safety and compliance with sporting regulations. The structure is needed to provide optimal functionality, comfort, and protection during physical activities.

OUR SOLUTION

We deployed our Hampshire Structures 18m x 30m Sports Hall, featuring a double-layer PVC [Thermo Roof System](#) and 40cm

[UPVC solid walling](#) for superior insulation and durability.

In partnership with Oasis Event Door Ltd, we added a large roller shutter entrance and two personnel doors for ease of access. To ensure a comfortable environment, we contracted Watkins Heating for the installation of the electrics, heating, and lighting.

SAFETY FEATURES

The installation of impact protection pads on every internal column throughout the facility, are specifically designed to absorb and disperse energy in the event of an accidental collision, minimising the risk of injury.

Additionally, the interior space has been enhanced with blue drapes, which serve a dual purpose. They not only improve the aesthetics of the environment but are also essential for various internal sports activities. These drapes have received full compliance approval from the Lawn Tennis Association, ensuring they meet all necessary standards for safety and functionality in sports settings.

LEARN MORE ABOUT OUR TENSILE FABRIC ARCHITECTURE

As well as [tensile structures for sports facilities](#), J & J Carter has a long-standing history of designing and engineering many types of fabric architecture for a variety of other industries. [Find out more about the tensile fabric architecture available from J & J Carter.](#)

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