

Eclipse Leisure Centre, Spelthorne Rooftop Football Pitches

A fire resistant 2,445m² synthetic grass installation comprising 4nr football pitches and walkways.

The Scheme

Spelthorne Leisure Centre is a new £50m hub for the community in Staines-Upon-Thames, set to facilitate sports and leisure activities for local residents, and promote better health outcomes.

The centre has strong environmental credentials, with aspirations to be certified as the largest Passivhaus wet and dry leisure centre.



The Solution

Our synthetic grass system has B Roof T4 certification meaning “B ROOF” is the highest classification under BS EN 13501-5, which is the European standard for external fire performance of roofs. “(t4)” refers to the test method used. In this case, Test 4 under BS EN 1187, which involves exposure to burning brands, wind, and radiant heat. It’s considered the most demanding of the four test types (t1–t4).

The pitch construction comprised 30mm thk sand filled synthetic grass carpet on 30mm thk preformed shockpad on 85mm SelSports units on 2/6mm gravel regulating layer, laid on a WASP geotextile which was placed directly on the roof insulation panels.

This construction provided a lightweight highly efficient permeable all weather playing surface.

Key Figures

Installation Area 2,445m²
SELSports Units: 9,780no.
Attenuation Volume: 197m³

Key Contacts

Client: Spelthorne Borough Council
Main Contractor: Willmott Dixon
Date: 2024

Contact Us

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