



Rhiw Shopping Centre, Bridgend, UK



Membrane type:	RubberGard EPDM LSFR 1.5mm
Surface:	ca. 500 m²
Start/Completion date:	June 2019
Type of application:	Renovation - Recover
Roof build-up, system:	Existing Concrete/ Existing Bituminous Waterproofing/ ISOGARD HD Cover Board/ RubberGard EPDM FAS

Rhiw Shopping Centre hosts a diverse range of high street favourite names alongside Bridgend's historic Indoor Market with an abundance of stalls, and many selling local produce. As with every busy shopping centre, the roofs are of prime importance in protecting the businesses beneath and ensuring their continued trade all year round. The shopping centre design combines existing buildings with many subsequent phases of extensions with varying roof configurations. Shopping centre roofs also attract a greater amount of roof traffic and post installation work (e.g. installation of plant for new tenants) which increases risk of accidental damage.

Firestone technicians made a survey of the existing roof which was covered with a plain bituminous membrane which was found to remain firmly bonded to the concrete deck. However, problems at perimeter walls had caused water ingress into the businesses beneath.

When it came to refurbishing this specific roof, high performance waterproof protection with a high in-service durability and long life-span was therefore a key consideration in the refurbishment (re-cover) specification.

The existing roof was prepared to receive Firestone ISOGARD™ HD cover boards, bonded using Firestone I.S.O. Twin-Pack insulation adhesive. A fully adhered 1.5mm Firestone RubberGard™ EPDM membrane was then installed ensuring no heat or flame on site and minimal noise and disruption to the businesses beneath.

Case Study RubberGard™ EPDM



by Carl Bailey on 13/02/2020