

Roofing Case Study

Falcon Street Medical Centre, Preston



Project

Falcon Street Medical Centre, Preston

Size

1200m²

Product

Cold Fusion Bonded Built-Up Roof System

Client

HBS Group

Contractor

W Hughes

Architect:

Cassidy and Ashton



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background

This is a new build project where the client is the main contractor. The brief for the client was to construct a medical centre to serve the local community.

the problem

The building is an unconventional plan form and of such a scale that a 'flat roof' was the only viable & economic solution. A 'cut to falls' scheme was required, working on the principle of minimum, rather than average U value. This allowed the architect to use a syphonic drainage system, with a minimum number of roof outlets and a singular, large diameter rainwater pipe to remove rainwater from the roof. As a result, underground drainage & associated costs are kept to a minimum.

the solution

A Cold Fusion Bonded Built-Up Roofing System from Liquid Plastics was specified for the project. The full system consists of a Vapour Control Layer, a full tapered insulation system, a Carrier Membrane, and a seamless Decothane Omega 15 waterproof 'cap sheet' in Slate Grey. The system is adhered using Liquid Plastics' revolutionary cold fusion adhesive – Decostik®. As part of the service offered by Liquid Plastics the full roof specification and tapered insulation system was completed by the Technical Customer Services team.

the benefits

The architect has previous experience of Decothane and understands the benefits that the product gives to intricate detailing around upstands, pipe penetrations, internal gutters and outlets. The ability to create a completely seamless membrane across any roof shape allows freedom of design & detailing. The full system is completely cold applied, thus eliminating the need for any heat or naked flame on the roof, and once installed it is guaranteed to last for at least 15 years.