

## Case Study – Roofing



### Llangefni Secondary School, Anglesey



**Project:**  
Llangefni Secondary School, Anglesey

**Size:**  
205m<sup>2</sup>

**Products:**  
Cold Fusion Bonded Built-Up Roof System  
and Decolight Rooflights

**Client:**  
Anglesey County Council

**Contractor:**  
W. Hughes & Son

**Specifier:**  
W. Hughes & Son

#### The Problem

The existing asphalt roof on the school's kitchen needed replacing with a new waterproofing system. However because works needed to be carried out whilst the school was in use, a cold applied system was required.

#### The Solution

W.H. Coatings Ltd. specified a Cold Fusion Bonded Built-Up Roof System from Liquid Plastics. A second roof area was also coated with Decothane Omega 15 and two new Decolight Pyramid Rooflights were installed. The built-up system consists of a vapour control layer, Decotherm<sup>®</sup> insulation, a carrier membrane and a seamless Decothane 'cap sheet'. The complete system is fully bonded with Decostik<sup>®</sup> - Liquid Plastics' revolutionary cold fusion adhesive.

#### The Benefits

Liquid Plastics' built-up system is completely cold applied thus eradicating the need for any heat or naked flame on the roof, and the seamless Decothane membrane is elastomeric and highly durable. Furthermore a single point guarantee can be provided for the full system.