

# Si-hybrid delivers sealing solution for self cleaning glass

## Case Study: Plas Coch



AV16741



AV16743

### The Project

- Set on the edge of the Menai Straits on the Isle of Anglesey, Plas Coch is a prestigious holiday home park set in 60 acres of beautiful parkland, with spectacular views across to Snowdonia.
- Following a £9.5 m transformation of the facilities, the park was awarded five stars by the Wales Tourist Board. The park centrepiece, an elegant 16th central Elizabethan country manor house, has been refurbished to house new luxurious amenities which include a custom built spa and indoor swimming pool for ultimate relaxation and pampering.
- *Dow Corning*® 757 Weatherproofing Sealant was specified for use in conjunction with Pilkington Activ® self cleaning glass for weather sealing the glazed roof and vertical elevations which houses the stunning indoor heated swimming area.

### The Challenge

As a focal point of this beautiful holiday home park, the indoor swimming area is required to look pristine at all times, so ease and simplicity in cleaning of the glazed roof and wall elevations is a top priority. For this reason, Pilkington Activ™ was specified; a dual action glass with photocatalytic and hydrophilic properties which break down dirt allowing rainwater to wash away dirt particles. Weatherproofing of the joints in this glass structure required the selection of a sealant which is compatible with this special glass coating and accommodates the anticipated building movement whilst providing high weather resistance.

### The Solution

Specialist contractor MAG Hansen erected the curtain wall framework and installed the self cleaning glass panels, which was in itself a complex challenge, requiring the use of a tower crane and specific handling equipment. Following long term trials testing for compatibility, adhesion, flexibility and durability, *Dow Corning* 757 Sealant is specified by Pilkington for use with Activ™ glass and was thus installed on this project for sealing the movement joints in this impressive glazed roof and façade.

#### Location

*Isle of Anglesey*

#### Country

*Wales*

#### Products

*Dow Corning*® 757

*Weatherproofing Sealant*

#### Owner and Developer

*Talacre Beach Caravan Sales Ltd*

#### Architect

*Donald Inshall Associates Ltd*

#### Main Contractor

*Frank Galliers Ltd*

#### Curtain Wall Contractor

*MAG Hansen Ltd*

## Dow Corning 757

### Weatherproofing Sealant

Dow Corning 757 Weatherproofing Sealant for photocatalytic clean glass is a neutral-cure, one-component, Si-hybrid based, low modulus, architectural grade sealant. It has been designed for weathersealing of most photocatalytic and hydrophilic clean glass surfaces where high movement is anticipated and high weather resistance is required to withstand increased temperature and UV radiation. It is ideal for expansion, connection, perimeter and other movement joints.

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