

Sika at Work



Roofing

**Ronald McDonald House,
Royal Manchester Children's Hospital**

Roofing: Inverted Roof System, Cold Fusion Bonded Built-Up Roof System, and Decothane Delta 25

Size: 800m²





Project Requirement

The Ronald McDonald House at Manchester Children's hospital, provides free 'home away from home' accommodation, 365 days a year, to enable families to stay close to their child and maintain a degree of normal family life during the very stressful time when a child is seriously ill.

Phase One is a 5 storey, 60 room house, allowing up to 240 people to stay at any one time. There is planning consent in place for a further 35 rooms in the future if demand dictates and funding allows. The ensuite rooms are supported with communal kitchen/living/dining areas on each floor, as well as play rooms, day rooms and extensive gardens at ground level and a rooftop terrace at first floor. It cost £7m to build and opened its doors to families at the end of May 2012.

Sika Liquid Plastics Solution

Decothane Delta 25 from Sika Liquid Plastics was specified for the project and used in several different roof build-ups including an inverted roof in the plant area and a warm roof with a tapered insulation scheme on the main roof.

Decothane is a completely cold applied roofing membrane that cures to provide seamless waterproof protection, guaranteed for 25 years. Its liquid application makes it easy to apply to detail areas such as the projecting canopies. A root resistant version of Decothane is used in inverted roofs that is proven to resist penetration by even aggressive roots, and can be expected to last beyond the guaranteed 25 years due to its protected location at the bottom of the roof build-up.

The Decothane systems were chosen because of the ability to seamlessly waterproof complex details and the continuity of supplier for all of the waterproofing across the whole site. The cold application also meant safer working practices and allowed other trades to work in close proximity without any risk of danger.



Project Participants

Contractor: GM Services

Client: Ronald McDonald House Charities

Architect: AEW Architects





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