



Safety Window Films: Reference Case

## Glass Containment at Piccadilly Gate

**"We are very pleased to have provided the client with a perfect solution to prevent the potentially fatal possibility of glass fragments falling from height."** Steve Harrhy, Filmtek Sales Director

### PROJECT INFORMATION

**Building & Location:**  
Picadilly Gate, Manchester  
United Kingdom

**Problem:**  
Glass containment required due to a spontaneous glass breakage problem created by nickel-sulphide inclusions within glass.

**Solution:**  
3500m<sup>2</sup> Solar Gard Sentinel 4mil Clear Safety Film combined with a structural silicone edge retention system.

**Solar Gard Premium Partner:**  
FILMTEK LIMITED  
Visit: [www.filmtek.org](http://www.filmtek.org)

**Year of installation:** 2016

Piccadilly Gate is a busy multi-tenanted 10-year old building. There was a sporadic issue with the glass in all facades which apparently broke without warning or any obvious cause. In some cases the broken glass fell from the window openings to the ground creating an extremely dangerous and risky environment. The building was subjected to an inspection by qualified glass specialists who deemed the issue to be 'spontaneous glass breakage caused by nickel-sulphide inclusions'. This relatively unknown but common occurrence happens only with toughened glass as a result of the tempering process (this is not the only reason that glass breaks spontaneously). The glass consultants suggested a clear window film externally would be the best solution.

Filmtek won the project and were appointed 'Main Contractor' status. This was a complicated project that required an extensive logistical installation programme and co-ordinated access equipment options.

Health and safety was a priority in all aspects of the project. The work was systematically undertaken over a 16 week period. There were regular independent inspections of the completed work together with other review meetings to ensure the works were going to plan. Despite the installation overlapping the possibility of inclement weather the works were completed successfully on time with no incidents.

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