



# SIKA AT WORK

## NHBC MILTON KEYNES

ROOFING: Sika Sarnafil T-fleece Separation Layer and Sika Sarnafil S327-18 EL Membrane

**Sarnafil**®



# GUARANTEED SUCCESS



## PROJECT REQUIREMENTS

With several water ingress issues on the upper roof of the National House Building Council (NHBC) headquarters in Milton Keynes, when the latest building works were being considered it was the need for a full guarantee on the roofing works that were paramount.

NHBC wanted to ensure a full guarantee was included with regard to waterproofing the building which led to Sarnafil being specified, as it comes with a single point guarantee, making it easy to manage while giving peace of mind with the backing of a major worldwide group.

## SIKA SARNAFIL SOLUTION

In order to replace the existing roof, a three step process took place that saw contractor Itech Roofworks overlay the existing D100 metal deck with a T-fleece separation layer before mechanically fixing S327-18 EL membrane using the Sarnabar system.

Itech Roofworks installed profiled foam fillers to the existing profiled metal roofs. The existing lightning protection was then removed to enable roofing works to be undertaken.

The existing roof membrane was cut at the perimeter and at all penetrations to alleviate built up stresses, all defective skirting and flashings were removed and the existing roof was cleaned and prepared for the installation of the separation layer. S-Felt T Fleece was loose laid with 100mm laps. Light Grey, S327-18EL Single Ply Roof Membrane was then loose laid in the same direction as the roof deck corrugations and secured using Sarnabars at 5m intervals. These were installed at 90 degrees to the metal deck corrugations with Sarnafil BS-S stainless steel fasteners, ensuring the fasteners had penetrated through the deck by a minimum 15mm.

The Sarnabars were then weathered with 200mm of Sarnafil S327-18EL Light Grey cover strips, heat welded to the main roof membrane on each side of the Sarnabar and a 150mm up-stand was installed around the 11 existing roof lights in preparation for installation of replacement roof lights.

The Sarnabar system was chosen to ensure that disturbance to staff and members of the public was kept to a minimum. It meant the overlaying process could be done without the need for striping the whole roof which minimised water ingress or disruption.

The overall aesthetics of the project received comprehensive praise with all feedback being enormously positive.

## PROJECT PARTICIPANTS

**Size:** 800m<sup>2</sup>

**Contractor:** Itech Roofworks

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