

Project Profile

Site Name: Parrswood Court, Manchester

Roofing System: IKO Mach One System with 120mm PIR Insulation



The Problem

The mastic asphalt roof was in a very poor condition, a large number of patch repairs had been attempted using a variety of compounds with little success. The roof consisted of a mastic asphalt membrane laid directly over a concrete deck, the lack of insulation was causing issues with condensation.

The Solution

Weatherproofing Advisors Ltd undertook a comprehensive survey including core samples and U Value calculations. Following the survey, WPA specified the innovative IKO Mach One single layer system incorporating 120mm PIR Insulation to comply with current building regulations.

The Benefits

The IKO Mach One Single Layer high performance roofing system is unique in the market place and has provided WPA with the ultimate waterproofing system for the roof refurbishment project. Further benefits include:

- Cold bonded roof system with hot air welded laps.
- Partial PU adhesive bond provides a venting layer when used in an overlay situation.
- 16% SBS rubber content provides outstanding movement capability at temperatures lower than -20oc and self sealing properties at higher temperatures.
- Robust polyester carrier membranes provides a roof membrane with superior puncture resistance which can withstand regular maintenance traffic.
- Classic mineral finish provides a slip inhibiting surface.
- No requirement for bitumen boilers or torches.
- Reduction in levels of fumes and Co2 emissions.
- Long term IKO Guarantee covering design, materials and workmanship backed by one of the worlds largest waterproofing membrane manufacturers.

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