

## CASE STUDY

# LUMIERE, MANCHESTER

External recreational space for luxury city centre apartments.



When Kinetic Architects won the competition to design the new Lumiere building in Manchester, the brief was to design luxury living accommodation in the middle of Manchester, which would complement the vibrant culture of the surrounding city as well as the lifestyles of its residents.

Kinetic Architects understood the brief perfectly and developed a building which delivers spectacular panoramic views over one of Europe's most vibrant cities. The results are stunning. The Lumière building boasts roof top terrace gardens that wouldn't look out of place basking in the Los Angeles sunshine. With areas of hard and soft landscaping that complement each other, Kinetic have produced something truly contemporary.

It was essential whilst specifying materials for the terraces that Kinetic chose a waterproofing system that would provide peace of mind. Through close liaison with our dedicated technical team, IKO's fully bonded PermaTEC Hot Melt Monolithic system was chosen.

PermaTEC is a specially formulated combination of refined bitumen, synthetic rubbers, fillers and other additives which improve flexibility and fatigue endurance. PermaTEC is hot-applied in conjunction with carefully selected reinforcement and detailing fabrics and protection layers and is ideal for inverted or paved roofing areas. BBA Certified, PermaTEC boasts a self-sealing capability and rapid setting characteristics, which will last the life of the building.

**Project Sector:** Commercial private housing

**System:** PermaTEC system

**Products Used:** Supertherm XPS insulation

PermaTEC

Permaguard F

Permaflash R

Permaflash D

**Contractor:** West Properties

**Started:** March 2005

**Completed:** November 2005

**Size:** 1200m<sup>2</sup>

**Contact:** Marcus Lee

PermaTEC is a monolithic system, which is fully bonded to the structural deck. In the unlikely event of the membrane becoming pierced, water would be unable to track beneath, minimizing the potential for interior water damage.

PermaTEC is delivered in 13kg siliconized boxes which are easier to handle and dispose of than large metal drums, used to package other Hot Melt systems. This is a major benefit to the roofing contractor, making their job much easier, cleaner and cheaper.

PermaTEC is ideally suited for roof gardens, protected roofs, plaza decks, podiums, substructures and water features.

