International

# Birmingham New Street station

## Case study 2013

**Focus product:** Intercrete® 4851

**Client:** Network Rail / Birmingham City Council

**Contractor:** Concrete Repair Technology Ltd; Currell, Lewis & Martin; Coleman & Co.

**Summary:** Waterproofing 3,000m$^2$ of floor areas

### Background

Birmingham New Street is the primary railway station serving Birmingham. Currently undergoing a £600 million redevelopment scheme known as Gateway Plus, New Street is the second busiest railway station in the UK outside London.

Situated above New Street Station is the Pallasades Shopping Centre which provides the first point of entry to Birmingham City Centre. As part of Gateway Plus, the Pallasades is undergoing a major transformation to create 400,000ft$^2$ of quality retail space in the heart of Birmingham, including a new John Lewis which will represent one of the largest department stores in the city. During the construction phase, it has been necessary to waterproof the floor areas in the retail outlets in to ensure there is no water damage to the underlying railway station and no inherent health and safety risks.

### The solution

A proven waterproofing system was required for this high profile project and a system based on Intercrete 4851 was specified. Intercrete 4851 is a two component epoxy and cementitious modified polymer topping which represents a major advancement in flooring technology. Designed for the waterproofing and protection of concrete floors in demanding environments, it affords excellent resistance to abrasion, water, chloride ions and aggressive chemicals. It is specially formulated to rapidly harden to provide a hard-wearing and durable surface. To ensure abrasion and skid resistance, sand was incorporated into the Intercrete 4851. Intercrete 4851 is compliant with EN1504, the pan European standard for concrete repair.

**international-pc.com**



AkzoNobel