



## Case Study

# NEW STREET STATION, BIRMINGHAM

[www.aco.co.uk](http://www.aco.co.uk)

## THE PROJECT

Birmingham's New Street station is used by more than 170,000 passengers per day. The £750-million transformation of the station took five years to complete and involved the creation of an iconic new atrium for the passenger concourse, improved platforms, new entrances and a range of facilities including the 'Grand Central' shopping area measuring 450,000 sq feet and featuring more than 40 retail outlets.

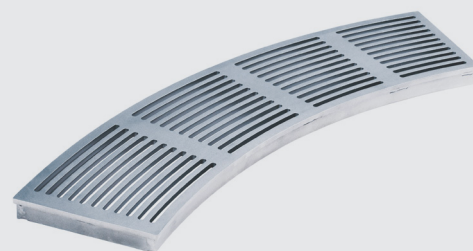
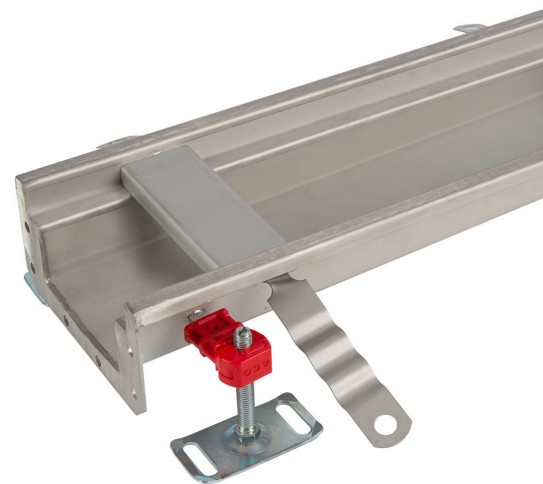
## THE BRIEF

Contractors MPB Structures has worked with the ACO Building Drainage team on numerous occasions and contacted them to design a highly technical drainage solution for the paved areas outside the station entrance.

The architectural design required the drainage to fit within 10 curved bands of paving and to feature shallow channel depths – something which other drainage companies could not achieve. The drainage system also had to work with the waterproofing specified and deep slabs of up to 70mm in depth. As New Street station was still live during the construction work, the drainage also had to be quick and easy to install.

## THE SOLUTION

ACO Building Drainage designed a bespoke radial channel solution with 6mm uniformed joints which matched the channel covers provided by ACO Water Management. The team also designed an outlet for the channels, enabling them to deal with the deep slab design and technical practicalities of the site.



ACO. The future of drainage

## COMMERCIAL & INDUSTRIAL DRAINAGE

We recognise that when you're looking for a drainage system for an industrial or commercial facility, the drainage you choose needs to complement the building's design and look as good as it performs.

Manufactured from fully pickle passivated stainless steel, our drainage systems combine aesthetic appeal with high performance, corrosion resistance and durability. The range is complemented with a comprehensive range of pipe products and accessories. We also employ an in-house design team who use their expertise to provide technical support at every stage of your project.



Our drainage is used across a wide range of commercial and industrial applications including: manufacturing and industrial sites; logistics facilities; offices; supermarkets, and shopping malls.

## IN WHICH SECTORS DO WE OPERATE?

ACO Building Drainage specialises in the development and manufacture of high performance drainage systems for a wide range of sectors



Food & Drink Manufacture



Commercial kitchens



Hotels



Infrastructure



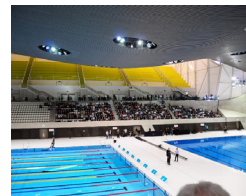
Commercial & Industrial



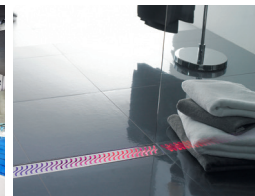
Healthcare



Education



Sport & Leisure



Residential

## CONTACT US

To get advice and technical guidance for your next project, please contact our in-house technical design team. You can also obtain a copy of our full product overview guide by emailing us.



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ACO. The future of drainage



ACO Building Drainage  
Product Overview

[www.acobd.co.uk](http://www.acobd.co.uk)



<http://bit.ly/acobd>



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