



# GATESHEAD QUAYS CAR PARK

Powder-coated aluminium panels create textured diamond effect for car park façade

## LOCATION

Gateshead

## PROJECT

Aluminium panel façade creates a 3D textured diamond effect

## DATE

December 2022

## CONTRACTORS

Willmott Dixon

## ARCHITECTS

Ryder Architecture

## DESIGN

- Mixture of solid and perforated triangular panels creates a textured diamond effect
- Maple's designers employed a 'detailed decision-making engine' to calculate the maximum free area in the panels for ventilation without compromising the robustness of the panels

## MANUFACTURE

- During pre-construction, Maple used desktop simulations to ensure the perforations were large enough to avoid whistling, achieve the required ventilation and still maintain the correct structural integrity
- Each of the triangular panels were fabricated from solid and perforated aluminium

## INSTALLATION

- Composite cladding panels were fitted to the stair core with solid composite panels attached to the car ramps
- Each panel was powder-coated in different shades of grey to provide a robust exterior that is guaranteed for 25 years
- Main elevations were installed using Continuum façade system, which can withstand the live loads common to multi-storey car parks while providing architects with creative freedom

## VERDICT

“The ‘futuristic’ diamond-effect façade on Gateshead’s new £23m multi-storey is a successful blend of architectural imagination and engineering excellence.”

Adam Jones, Head of Design and Pre-Construction, Maple Façades

## DID YOU KNOW?

The car park's futuristic look was influenced by the now-demolished Trinity Car Park which featured in the cult gangster film 'Get Carter'.



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MAPLE

