



Precast architectural marvel at 210 George Street

Situated at the bustling heart of Sydney's central business district, Poly Centre stands tall as a remarkable architectural masterpiece. Located at 210 George Street, its precast concrete façade is impressive, delivering a landmark that has become an integral part of the city's skyline.

Poly Centre blends contemporary design with functionality, representing the epitome of modern architecture and functionality. Its sleek precast design, state-of-the-art amenities, and prime location make it a sought-after destination for businesses of all sizes.

Design fused with functionality

The Poly Centre's design is a testament to the creativity and vision of its architects, Grimshaw. Rising 27 stories high, this contemporary structure commands attention as it seamlessly blends glass, steel, and over 500 precast concrete elements to create a stunning façade. The building's sleek lines, sharp angles, and reflective glass exterior give it a distinctively modern and dynamic appearance.

Extensive use of precast

National Precast Master Precaster Advanced Precast was chosen to manufacture and supply the precast for the Poly Centre. The 500-plus elements required more than 10 moulds to be fabricated for the project, in different shapes and profiles.

Master Precaster
Advanced Precast

Builder
BESIX Watpac

Project
The Poly Centre

Location
210 George Street, Sydney NSW

www.nationalprecast.com.au



Over 300 grooved wall panels – which included numerous curved panels and which measured between 3 and 31 square metres, were manufactured for the East façade. 135 arched and rectangular columns weighing between 5 and 17 tonne were supplied for the main façade, while 4 square metre grooved soffit panels that were triangular in shape feature on George Street. The panels were manufactured using an off-white oxide.

Testament to sustainability

The Poly Centre stands as a testament to Sydney's commitment to sustainable architecture. Recognizing the importance of reducing its carbon footprint, the building incorporates numerous eco-friendly features.

Using precast used local materials and labour and minimised on-site waste. As well it provided a safer, less-cluttered site for workers and delivered a structure that absorbs carbon over its life, requires minimal ongoing maintenance and does not burn or emit fumes.

Clever attention to detail has ensured that natural light floods the interior spaces through energy-efficient glass panels, reducing the need for artificial lighting during the day. State-of-the-art water conservation systems - including rainwater harvesting and greywater recycling – have been utilised to minimize water consumption.

These sustainable initiatives not only contribute to the well-being of the local community and environment, but also create a healthier and more comfortable workspace for its occupants.

Architectural excellence

The Poly Centre at 210 George Street exemplifies Sydney's commitment to architectural excellence, sustainability, and urban sophistication. With its striking design, prime location, sustainable features, and innovative amenities, this remarkable building has become an iconic landmark in the city's skyline.



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