

Wentworth Point Marinas - Sirius Waterfront



CHARMING RIVERSIDE LIVING

Wentworth Point is a new suburb in Sydney that was created in 2009 after the urban revitalisation of a large industrial tract of land on the banks of Homebush Bay. With the Sydney Olympic Park Ferry, located centrally within the suburb, direct access to the Parramatta River and the Sydney CBD is easily achieved.

The harbourside precinct is now home to nearly 10,000 people, all living in medium or high-rise density accommodation. At the heart of Wentworth Point stands Wentworth Point Marinas - a development comprising remarkable homes with a special sense of place.

330 residential apartments across one high-rise tower of 30 storeys and five low-rise towers up to 11 storeys high located along the Parramatta River make up Sirius Waterfront, the third stage of the project.

Sirius Waterfront features multiple precast concrete elements including partition walls, façade panels, wall panels, spandrels, balustrades and hobs that were all manufactured and installed by National Precast member, Hanson Precast.

AHEAD OF SCHEDULE THANKS TO PRECAST

The project's tight timeline demanded that all aspects of construction run like clockwork—a demand that hinged on the use of precast concrete because of its speedy erection.

Hanson's Site Co-ordinator, Dean Lincoln, says that opting for a precast solution achieved significant time savings.

"The reason precast was chosen was because of the lead time and the process – if the wall panels were poured on site there would have been at least one week per storey added to the program. That would have meant an extra year for the build time. Instead, we erected all the precast in less than twelve months," he reveals.

Hanson installed the partition walls and external cladding walls the immediate day after the Billbergia team had poured their slab. Then, by the following day, the next storey floor slab was starting to be formed. "The project was completed within the program and it was precast that allowed us to do that," Mr Lincoln comments.

Precaster
Hanson Precast

Client
Billbergia Developments

Builder
Billbergia

Architect
Scott Carver

Engineer
Rincovitch Consultants

www.nationalprecast.com.au





A RIBBED FAÇADE

Surrounded by the harbour, vast urban parklands and Rhodes' dynamic retail hub, the Sirius Waterfront apartments needed to visually complement their surroundings. The high-rise tower features a number of elevations that comprise ribbed precast panels. The result is a superb quality of finish.

"The ribs are 300mm apart and run vertically up the panels. They are duplicated on each level from the ground floor to the 30th floor," Mr Lincoln explains.

"The high quality that precast could offer was another key reason the client specified precast. Precast offers finishes that are extremely difficult to achieve with site-poured concrete."



EXCEEDING SAFETY REQUIREMENTS

Close collaboration between the precaster and builder was essential to meet strict safety standards. Hanson's approach to the project's safety and design included supplying several precast lift shafts for the low-rise towers, which were enclosed by precast wall panels.

"The safety on the project was paramount and this approach inhibited any fall risk through the lift shafts," Mr Lincoln details.

Hand rails were then installed all the way around the penetration into cast-in ferrules in the precast panels, eliminating risk from open edges. This process relied heavily upon communication and partnership between all parties on site, but was undoubtedly rewarding.

"The whole project was so successful with regards to safety. There were no major incidents, no near misses, and no safety issues—a remarkable achievement for a project with such a tight time frame," Mr Lincoln says.

CELEBRATING TEAM WORK TRIUMPH

A project of this magnitude being completed within a short period of time was a significant achievement for both the precaster and builder alike.

Celebrating this feat, Hanson and Billbergia arranged for each individual staff member from both companies involved in the project to sign the final precast panel before it was installed.

"Everyone signed off and was acknowledged at the end of the day," Mr Lincoln says.

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