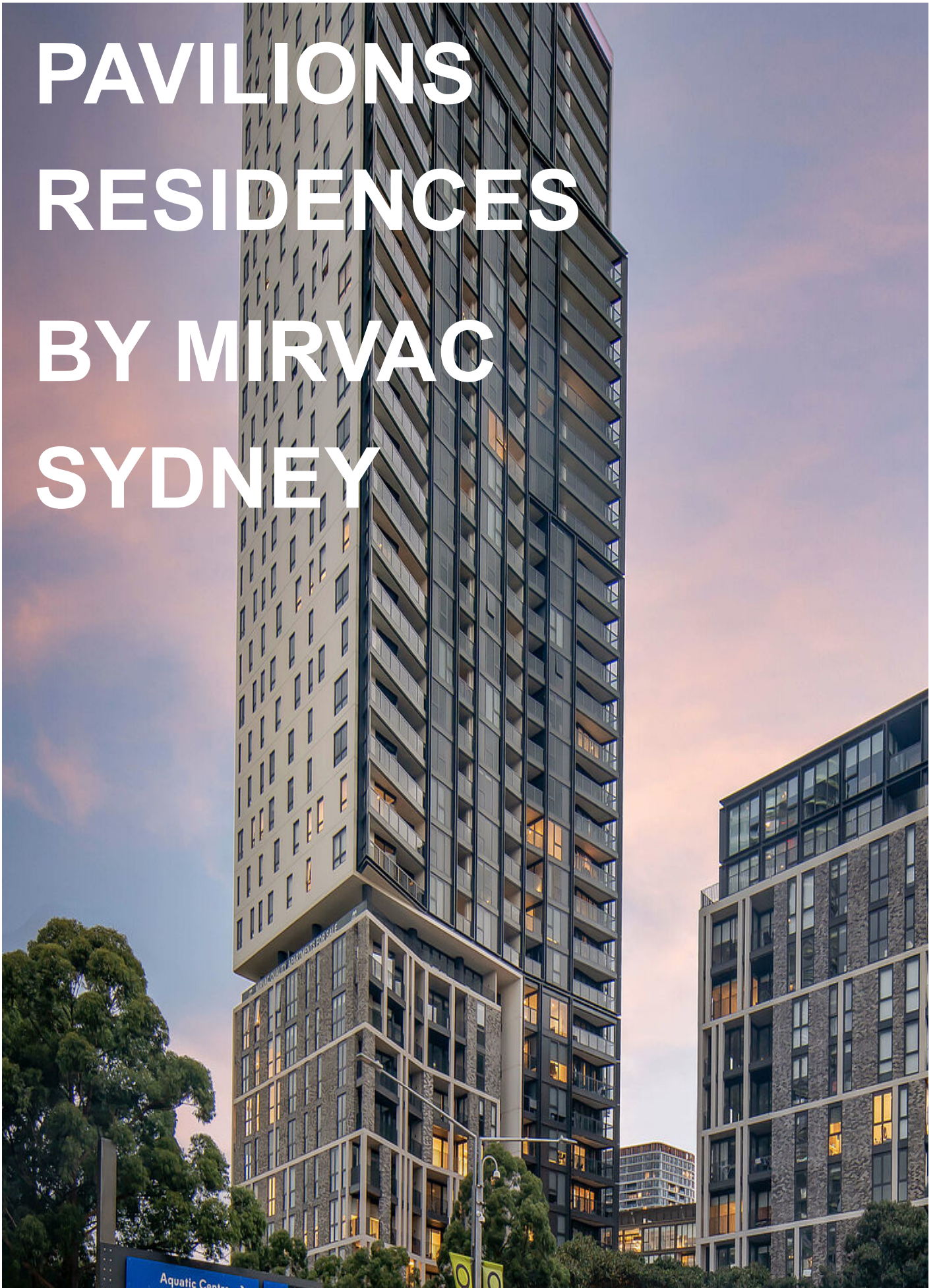# PAVILIONS RESIDENCES

BY MIRVAC

SYDNEY

WITHIN THE SYDNEY OLYMPIC PARK

Conveniently located within the Sydney Olympic Park precinct. Consisting of four buildings, the Pavilions offers   a selection of 1, 2 and 3-bedroom Mirvac apartments, sky-homes and family terraces in a naturally beautiful setting.

REQUIREMENTS

The close physical proximity of the building's occupants posed challenges associated with impact noise within and between buildings, exacerbated by hard flooring surfaces such as tiled floors. The project needed to meet the acoustic requirements of the National Construction Code 2016. The NCC acoustic provisions for Class 2 buildings covers both walls, floors and the airborne sound insulation and impact sound insulation ratings.

This meant the consideration for acoustic treatment under the tiled floors was required as well as how can they be installed in accordance with the NCC and the relevant Australian Standards.

Product partners like 0473 **REGUPOL** acoustic floor underlays are required to test their products with the various floor coverings outlined in their worksection to demonstrate their ability to meet the requirements of the NCC. The completed worksection then forms a complete guide on how to successfully incorporate acoustic underlays with various floor coverings. The branded worksections also highlight the need to incorporate other related worksections that are required such as 0621 Waterproofing and 0631 Ceramic tiling. **REGUPOLsonus** underlays have been tested as the various systems detailed in the worksection to show they comply with the acoustic criteria set out in the NCC.

The installation of tiles at the Pavilions was completed by Bettertiles Contracting using the REGUPOL sonus curve 6 to wet areas under screed and the **REGUPOLsonus multi 4.**5 to dry areas under tiles.

In addition to the tiling works, the resident's exclusive indoor gymnasium has been fitted out with the REGUPOL sonusfit FX83 to gym system incorporating **REGUPOLeverroll core** rubber floor covering from worksection 0651p **REGUPOL** in resilient finishes.