



# AeroBrick

LIGHTWEIGHT PLASTERED BRICK VENEER

## System Advantages

- AeroBrick is a high-quality, lightweight brick veneer system that once completed weighs approximately 55kg/m<sup>2</sup>. When compared with traditional, heavy-weight brick veneer that weighs approximately 160kg-220kg/m<sup>2</sup> the reduction in weight places AeroBrick in the medium weight cladding classification provided in NZS3604. Due to the reduced weight of the AeroBrick system it has the potential to be used on construction that may be prone to ground movement or where excessive weight is an issue.
- The AeroBrick system has been appraised by BRANZ to achieve a maximum height of 7.5m above its foundation support, except at gable ends and some piers where this height may be up to 10.0m. This enables the quick and easy construction of two storey walls without having to incorporate additional engineering at inter-storey and foundation levels.
- The reduced weight and increased size of AeroBrick (one AeroBrick has the same volume as approximately 6.5 standard bricks) ensures the costs to lay the system are kept to a minimum.
- Unlike traditional plastered brick veneers, AeroBrick is constructed on site using a systems approach which ensures one business entity is responsible for the entire cladding system from start to finish – from laying the bricks to completing the plasterwork. This also ensures AeroBrick can be backed by a full 15-year systems warranty issued by Specialized Construction Products Ltd.
- AeroBricks are manufactured with a proprietary water repellent that not only ensures the constructed system won't hold moisture, but also enables the bricks to be left outside uncovered during periods of inclement weather without holding up the construction process.
- The AeroBrick system has attained a full BRANZ appraisal (No. 883 - 2015) which ensures the system completely complies with the New Zealand Building Code.
- As part of the appraisal process BRANZ was requested to peer review a comprehensive set of AeroBrick construction detail drawings and junction design solutions for intersections with New Zealand's most common types of composite building materials. This set of detailed drawings allows designers and architects to freely specify and detail the system in the knowledge that a third party has critiqued and approved the details they are providing.
- Due to the inert nature of AeroBrick, the system does not require a multitude of expansion joints. Expansion joints are only required in walls longer than 12m in length.
- To reduce costs and increase speed during the construction process both the EzPanel or ThermaShell systems can be used above windows, over gable ends and up steeply pitched rooflines eliminating expensive steel lintels and additional engineering without changing the outward appearance of the system.