



**LOXO**<sup>®</sup>  
**CLADDING SYSTEMS**

**Granosite**<sup>®</sup>

SPECIALIST ARCHITECTURAL COATINGS

Loxo's Exclusive Coating Partner



## LOXO PANELS EXTERIOR CLADDING SYSTEM



Loxo Panels are set to become the leading cladding solution for today's new residential and commercial buildings.

Loxo Panels outperform traditional cladding materials in almost every respect and provide longer-lasting, more efficient, more economical, safer, and more comfortable environments for your building.

Loxo's durable and lightweight aerated concrete enables most structural and insulation requirements of a building to be satisfied by a single material. Loxo buildings look superior too, thanks to our partnership with Valspar Paint (NZ) Ltd who provide exclusive, superior finishes from their Granosite plaster and paint system.

## ABOUT THE TECHNOLOGY



Loxo Panels represent the very latest in exterior cladding solutions. Constructed of hi-tech, environmentally-friendly autoclaved aerated concrete (AAC), the panels are 50mm and 75mm thick, lightweight, quick and easy to install, and highly economical compared to traditional cladding products.

During its manufacture, an air entraining agent is added which produces a highly cellular material that is steam cured in high pressure autoclaves. The resulting product weighs about one quarter that of standard concrete and can be cut, drilled, channelled and shaped as required using hand or power tools.

Loxo Panels attach with battens to your building's timber or steel frame, considerably increasing the building's structural strength. Installation is simple and fast, with our panels utilising the Loxo flashing system to create secondary weather defence dry cavity. In addition, feature details such as grooves and express lines can be added easily unlike other plaster-based cladding systems. The Loxo Cladding System can be either vented or non-vented.

To finish, Loxo panels are reinforced with corrosion-protected steel, and coated and finished with Granosite Plaster and Paint system.

Loxo Panels can also be used for fences and floors.

*For a full list of benefits, see opposite page.*

**Granosite**

SPECIALIST ARCHITECTURAL COATINGS

Fibreglass Mesh with Grano Adhesive Mortar® Coarse (Base render)

Grano Prime (Primer coat)

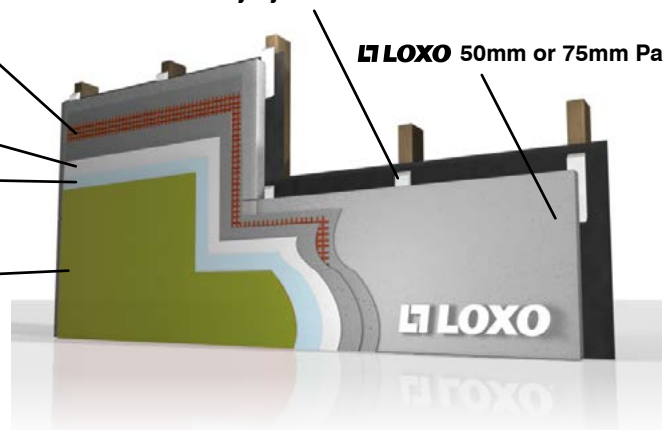
Selected Granosite Acrylic Texture (Finishing coat)

Grano Impact two coats

**LOXO Polystyrene or Timber Batten**

**LOXO 50mm or 75mm Panel**

**LOXO**



## NOISE RESISTANT

Loxo Panels come with highly effective noise insulation built-in. The high surface mass and cellular structure make them twice as effective as traditional insulation and cladding sound absorption products, their aerated construction cuts out annoying noise from the street outside as well as interior noise from room to room and floor to floor.

## SIMPLER DESIGN & INSTALLATION

Loxo Panels are quick and easy to install and even easier to work with using traditional hand tools. The high workability and design flexibility of Loxo Panels allows for modular solutions with minimal cutting and wastage, along with the easy addition of design features such as quoins or corbels.

## ENERGY EFFICIENT

The hi-tech autoclaved aerated concrete used in Loxo Panels insulates over 50% better than brick. The panels provide insulation qualities and effectively moderate high and low temperatures. With Loxo Panels insulating your home, you'll feel warmer in winter and cooler inside on hot summer days, and save on power consumption.

## SUPERIOR DURABILITY

Loxo Panels are extremely durable and surpass the minimum life as required by the New Zealand Building Code. They are also extremely low maintenance and will not warp, decay, rust, or rot and are resistant to destructive pests. Loxo Panels are guaranteed for 15 years and will continue to look and feel great while protecting your investment well into the future.

## FIRE SAFE

Loxo Panels have excellent fire resistance compared to other cladding materials. They have a 1.5 hour fire rating (overseas rating) and do not combust, having an ignitability index of zero. In the event of a fire, Loxo Panels will not emit any toxic gases or vapours.

## ECONOMICAL

Building with Loxo Panels is highly cost-competitive. Installation is fast and they incorporate quality thermal and noise-absorbing insulation meaning significant savings can be made in energy and maintenance costs by building with Loxo Panels.

## ENVIRONMENTALLY SAFE

Loxo Panels are eco-friendly and non-toxic, producing no harmful gases both after installation and during manufacturing. Unlike most cladding solutions, Loxo Panels allow your building to breathe, and eliminate problems with moisture, rodents, insects, and fungi.

They are made from sustainable raw materials and are completely free of pollutants and toxic substances. The manufacturing process does not result in pollutants and all waste is recycled into future production.



## QUALITY CONTROL

Loxo panels can only be installed by licensed Loxo installers and coated by licensed Building Practitioners Trained Granosite Applicators. With these measures in place plus strict system protocols Loxo Cladding NZ and Valspar can offer the guarantee of 15 years as per NZBC Clause B2 Durability adding piece of mind to all owners.

Loxo and Granosite both adhere to the ISO 9001 international standards for the management of quality. Loxo and Granosite have been appraised and certified by CertMark Australasia and BEAL (Building Element Assessment Laboratory).



## GRANOSITE PLASTER AND PAINT SYSTEM



Loxo wants to ensure that you get the very best result on your project and so we have formed an exclusive relationship with Valspar a global leader in the paint coatings industry in both commercial and residential markets.

Loxo specify the Granosite Plaster System – a specialist, high build performance coatings system designed to meet the technical and application requirements of the construction industry – as it excels in all the important areas: durability, aesthetics and cost.

Granosite coating performance is guaranteed for 15 years, when correct specification is matched to professional application, and guards against acid rain, water ingress, carbon dioxide diffusion, vapour transmission, atmospheric pollution, dirt pick up, concrete spalling, mould and fungus. Refer to Granosite Warranty Guide: [www.wattyl.co.nz](http://www.wattyl.co.nz)

Granosite coatings are available in a wide colour range and a large selection of texture finishes, and retain their colour in the most demanding of climatic conditions including long term intensive ultraviolet exposure.

## PERFORMANCE AND TECHNICAL SPECIFICATIONS (50MM)



<b>Dry Density:</b>	560kg/m <sup>3</sup>
<b>Intensity:</b>	4.0MPa
<b>Modulus of Elasticity:</b>	1800MPa
<b>Thermal Resistivity:</b>	0.29m <sup>2</sup> K/W
<b>Dry Shrinkage Value:</b>	0.8mm/m
<b>Thermal Conductivity:</b>	0.12 W/mK
<b>Sound Transmission Class (STC):</b>	33 (50mm bare panel)
<b>Fire Resistance:</b>	1.5 hours (overseas testing)
<b>Panel Size:</b>	50mm x 2200mm x 600mm
<b>Dry Mass of 50mm Loxo Panel:</b>	32kg/m <sup>2</sup> coating and substrate, considered a medium weight cladding in terms of NZS 3604
<b>Windzone:</b>	All wind zones of NZS 3604



### Loxo Cladding Systems

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