

ADVANTAGES

- Caviteclad PERMAPANELS are manufactured from a naturally sustainable pinus radiata wood wool resource which has been mineralized into an almost inert rigid backing sheet by processing it with Portland Cement.
- Due to Caviteclad PERMAPANELS unique construction it is highly impact resistant and will not easily damage.
- Caviteclad PERMAPANELS have been extensively tested over 45 years and have been found to give exceptionally high resistance to dry rot and other fungal growths. The panels are also immune to termites and provide no nutritional value for rodents and other vermin.
- D.S.I.R. and BRANZ durability tests indicate that PERMAPANELS are very stable under changing relative humidity conditions. Even after prolonged exposure at 100% RH or after being continually wet and then dried during controlled durability testing there is little discernable change in the nature of the product.
- The open celled nature of PERMAPANELS gives very good resistance to the transmission of airborne sound. It is for this reason alone that the material that PERMAPANELS are made from has been used for decades under the trademark Woodtex® in the ceilings of New Zealand's school gymnasiums, public swimming pools and halls.
- It is a scientific fact that the best place to put any insulation is on the outside of the building where the extremes of temperature occur. The open weave of 50mm thick PERMAPANELS with a thermal conductivity of 0.093 W/(m°C) will contribute greatly to the designed insulation requirements of the building. This cladding system will therefore reduce the amount of energy that is needed to maintain a constant temperature inside the home and will help to enhance the effect of other traditional cavity insulation materials such as batts or polystyrene inserts.
- Caviteclad PERMAPANEL is the holder of BRANZ (Building Research Association of New Zealand) Appraisal Number 510 (2007) and carries a 15 year materials guarantee, backed by Specialized Construction Products.
- The Caviteclad PERMAPANEL System incorporates its own, state of the art, penetration flashings to ensure all windows and doors are adequately sealed to stop water intrusion. The penetration flashings that are required for this system are installed by the licensed contractor.
- Caviteclad is a cavity based system that allows any moisture that may penetrate behind the cladding system for any reason to escape uninhibited without wetting or affecting the structural framing of the building.
- The Caviteclad licensed contractor takes full responsibility for creating the cavity behind the PERMAPANELS. Following extensive testing at BRANZ the construction and ownership of the cavity is accepted by the licensed applicator as opposed to an unknown third party.
- As the Caviteclad PERMAPANEL system is classed as lightweight by the New Zealand Building Code it does not require a strip footing or heavy metal lintels over windows to support its weight or extra structural engineering which all reduce on site construction costs.
- Fixings such as downpipes and lights can be fixed directly into Caviteclad PERMAPANELS without having to fix toggles or masonry anchors in the wall.
- When the Caviteclad System is used for recladding older dwellings the surface of the PERMAPANELS can be rasped and filled to ensure the new surface is completely flat and level prior to the plaster system being applied.
- PERMAPANELS will not burn. Under full scale testing at BRANZ the Caviteclad System has yielded an ignitability index of zero. The materials used in the Caviteclad System do not contribute to fire.

