ADVANTAGES

- Caviteclad EPS is appraised by the Building Research Association of New Zealand (BRANZ) and carries a 15 year guarantee, backed by Specialized Construction Products.
- The Caviteclad EPS System has been developed as the result of over two decades of EIFS cladding history in New Zealand and 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.
- As Caviteclad EPS is not a rigid system like fibre cement or traditional stucco plaster, the fastenings can move slightly within the polystyrene backing sheets and the cavity battens. This ensures that the stresses that can occur as a new building settles and moves or during temperature fluctuations will not transmit through the cladding and cause undue cracking in the exterior.
- Caviteclad EPS 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 polystyrene. 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.
- It is a scientific fact that the external location of the polystyrene insulation puts the insulation in the best place: as far toward the outside of the building as possible where the temperature fluctuates. This reduces the amount of energy that is needed to maintain a constant temperature inside the home, and does not leave cold spots like some in-wall insulation that tends to slump over time.
- The Caviteclad EPS System gives an R rating of 1.1
- The Caviteclad EPS System is not jointed on the outside surface. This feature allows designers and architects to readily achieve a monolithic look without the risk of being able to see any type of sheet joint or having to allow for the numerous expansion joints that are required in a rigid cladding.
- The polystyrene in the Caviteclad EPS System is normally 50mm thick but can be specified in thicknesses up to 80mm if greater definition is required. The system can therefore be made to look like plastered masonry or block construction but at a fraction of the price.
- Control joints are only required in walls that are longer than 20 metres in length and two and a half storeys in height.
- As the Caviteclad EPS System is extremely lightweight (approximately 9kg per m^2) and remains slightly flexible, it is well suited to pole structures or areas with poor quality soils and foundations.
- The Caviteclad EPS System offers tremendous design versatility and flexibility. The polystyrene substrate can be bent, rasped, curved and carved to create different forms and shapes.
- When the Caviteclad EPS System is used for recladding older or damaged buildings, the surface of the polystyrene substrate can be rasped and filled to ensure the finished surface of the cladding is completely flat and level prior to the plaster system being applied.

- The level of toxicity of expanded polystyrene in a fire is no greater than that of burning timber and other commonly used building materials. Although a lot of soot (smoke) is created, tests carried out in accordance with European standards show that it produces fewer toxins than burning radiata pine. Confusion is often created between polyurethane and polystyrene, which are two distinctly different products. Polyurethane foam can be toxic in a fire but it is not used in the Caviteclad System.
- Under full scale testing, the Caviteclad EPS System has yielded an ignitability index of zero. This means that the materials used in the Caviteclad System do not contribute to a fire.
- Polystyrene is an inert organic material that will not rot, will not hold water and is highly resistant to mildew. It also provides no nutritive value to ants, termites or rodents.