

# 15 GOOD REASONS TO CHOOSE YOUR ARMADILLO™.



## MBIE

ARMADILLO™ 500R foundations exceed the requirements documented in the MBIE Guidance and they have been consented by the Christchurch City Council.



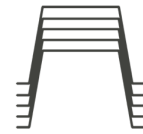
The ARMADILLO™ is the best alternative to the cases where ground improvement or deep piling works are required. By using the ARMADILLO™ 500R both the depth and the extension of the ground improvement can be significantly reduced.



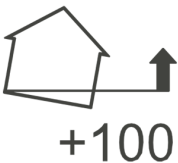
The ARMADILLO™ has been designed to effectively speed up the construction process. A standard foundation generally requires less than 24 hrs to install the ARMADILLO™ components and steel reinforcing.



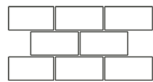
The ARMADILLO™ can be installed when it is windy because all its components have been designed to remain stable.



The ARMADILLO™ pods 500 are designed to have an optimal stacking pitch and to consequently reduce freight costs and storage on site. With the ARMADILLO™ pods 500 it is possible to cover six times of the surface that can be covered with conventional polystyrene blocks.



**UNMATCHED ON THE MARKET:** The application of ARMADILLO™ 500R is NOT limited to sites where less than 100 mm SLS settlement is expected, in fact it can be always re-levelled and can accommodate large settlements without cracking.



**UNMATCHED ON THE MARKET:** The ARMADILLO™ 500R has been designed to support and to be effective in the presence of dwellings with heavy weight claddings and heavy roof coverings.



**UNMATCHED ON THE MARKET:** The ARMADILLO™ 500R being equipped with in-built jacking locations facilitates ease of re-levelling from the slab perimeter. The re-levelling procedure does NOT require any works inside the dwelling.

**7  
DAYS**

A period of one week can be considered sufficient to re-level and to restore the complete functionality of the foundation after a seismic event for most cases.



The saving on ground improvement works generally makes the ARMADILLO™ 500R to cost considerably less than other solutions and it contributes to make land susceptible to liquefaction viable.

**+20%**

**R-VALUE**

The ARMADILLO™ thermal efficiency relies on the reflective properties of the ARMADILLO™ Thermal Bases combined with the air pockets spread throughout the foundation.

**9x**

**STRONGER**

A unique and patented protected interweaving waffle slab design makes the ARMADILLO™ significantly stronger than a conventional waffle slab 305 mm high.

**12x**

**STIFFER**

The ARMADILLO™ is considerably stiffer than a conventional waffle slab 305 mm high. This performance is particularly favourable to prevent cracks in dwellings clad with brick veneers.



The overall foundation depth of an ARMADILLO™ 500R is 585 mm and the finished floor level can be 435 mm above adjacent ground: a resource in the flood management areas.



**UNMATCHED ON THE MARKET:** The ARMADILLO™ Foundation System is the first building technology that offers pods made with a special cardboard (HSC). Unlike the polystyrene, HSC does not generate toxic pollutants when disposed of.

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