









Cupolex is an environmentally friendly and cost effective alternative to Rib Raft, Stiffened Raft and other concrete void systems.

Cupolex is a patented structural dome concrete slab system made from recycled plastic. Each dome easily inter-connects to create a self supporting structure acting as permanent form work. Cupolex provides an absolute barrier and reduces potential for rising damp with no capillary action possible.

Cupolex allows designers, builders and developers to specify for new buildings and homes. A cost effective foundation which is both Green and Sustainable. All the while reducing building cycle time and minimizing engineered fill requirements which can be very expensive.

History

The name Cupolex comes from the Italian word "Cupola" meaning dome. Millions of square metres of Cupolex have been laid in concrete slabs and foundations throughout the Americas, Australasia and Europe.

Inventors of the Cupolex system Pontarolo Engineering have been marketing Cupolex worldwide since 1990. It was originally developed as a solution to ventilate Radon Gas from new buildings for the US Air Force in Italy. It is now a requirement for all new construction for the US Air Force. Radon Gas is prevalent in areas of Europe and the USA and some parts of Australia.

Since its creation the Cupolex system has been utilised as a solution in a number of different capacities other than its original design.

Cupolex can be used for a vary of applications;

- freezer floor slabs
- road construction
- air recirculation systems
- building renovations in place of hard fill
- sites with high and low weight bearings
- effective solution in flood plane sites

Go Green. Cupolex ticks all the boxes.













- Manufactured from 100% recycled plastic
- Speedy and easy installation
- San be fully ventilated to reduce power usage
- No waste
- Standard components that lock together
- Reduced safety and environmental hazards
- Excellent thermal rating
- Reduced carbon footprint
 - Average home delivery is 2 pallets
 - Transport costs reduced
- Engineering design solutions tailored to suit all soil classifications
- Mitigating rising damps



Stop ends



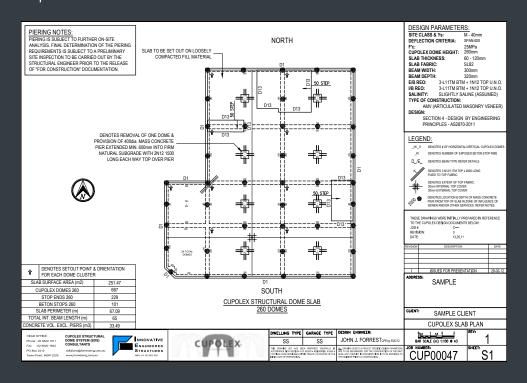
Beton stops



Cupolex domes

Structural Drawings

Cupolex domes sizes available to suite all soil classifications.





Additional Benefits - Cupolex Air Articulation System

An air articulation system can be installed to circulate air within the roof cavity down through the concrete slab and back. This air movement reduces traditional heating and cooling costs.







Step by Step Process

Site preparation: Ground is prepared as per standard methods.



2 Cupolex dome installation: Simple standard components fit together for installation.

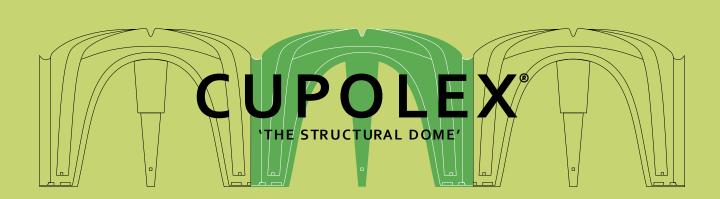


3 Steel placement: The Cupolex system allows the mesh reinforcement to sit directly on top of the domes, thus eliminating bar chairing.



4 Concrete placement: Safe concrete placement is completed on a sturdy platform.







Reozone prides itself on servicing our customer's needs. Our premises are equipped to service large and small projects within building industry. The moment you walk into Reozone you will be serviced by one of our friendly staff. From our Factory Staff, to our Customer Service Officer, to our Sales Officer we will ensure that all your needs are handled professionally. Reozone has the tools and equipment to fabricate and process projects of all sizes. Our showroom contains your everyday concrete tools to various size trowel machines.

Our strategy and our simple outlook in servicing our customers, is what makes Reozone unique over its competitors. With years of experience within the industry the team at Reozone will always have solutions for your every day needs. From supplying mesh to our concreters, to doing house slab packages for our home builders, to supplying scheduled reinforcement to our commercial builders, we do it all and to complete our service we will have all your concrete delivered to your site.

Reozone Packages

Reozone can supply the total Cupolex "GREEN" solution;

- Soil classification
- Sengineering design
- Cupolex dome packages
- Placement solutions
- Steel reinforcements

- Air reticulation systems to improve ventilation and reduce energy usage
- Supply of Boral Envirocrete range of Green star rated concrete.



Contact Us

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Products & services available

Reozone are a steel reinforcement supplier specialising in the supply of reinforced bar and mesh to AS standards 4671, we also supply reinforcing accessories such as bar chairs and building products including bondek, plastic membrane and expansion joints. We also supply concrete and concrete additives to projects all over the Sydney metropolitan area.

Proud suppliers of Boral Concrete

Boral has more than 200 premix concrete plants around Australia producing a wide range of mixes in metropolitan and country areas. Boral Concrete, through a high level of technical knowhow, have developed mixes using high quality materials to guarantee the long term durability of your concrete structure as well as deliver the workability and consistency that professional concrete placers require.

Our technical experts will work with you to ensure the concrete has the right performance characteristics required.



To find out more about Boral Concrete, visit www.boral.com.au/concrete



