

Pre-stressed concrete tank

Air Dome Engineering

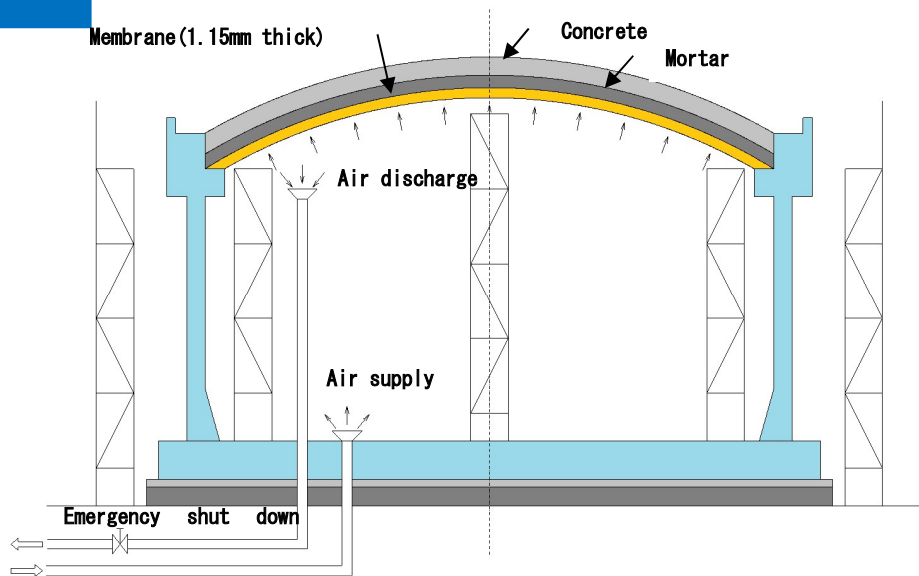


The air dome Engineering is an labor-saving method for building the dome roofs of pre-stressed concrete tanks.

Instead of the conventional formwork materials and shoring materials, it is used a membrane material which is fixed by air pressure and mortar shell that is placed on the membrane.

Characteristics

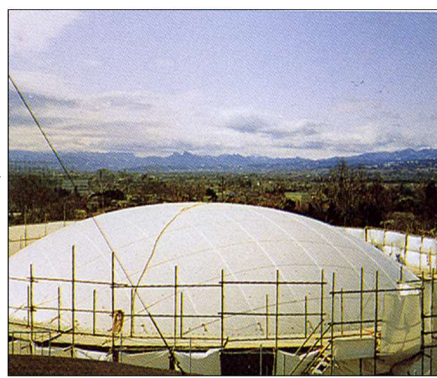
- I. "The Air Dome Engineering" is one of a construction method to build the tank roof easily because it does not require the conventional shoring and formwork.
- II. "The Air Dome Engineering" does not require the skilled workers and also can sharply reduce labors.
- III. "The Air Dome Engineering" does not need the anticorrosion work because the membrane materials is used as the corrosion-preventive layer under side of the dome.
- III. "The Air Dome Engineering" can sharply shorten the construction period because it does not need nether the shoring and form work nor the anti-corrosion work.



Construction procedure



Lifting the membrane



Rising the air pressure



Applying adhesives and installing lath and welded wire mesh



Placing the reinforcing bars of the dome, and casting concrete

Pioneer of the PC Technology



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