

CURING TANK

The strength of concrete is generally estimated after 28 days by crushing field test cubes or cylinders made from the representative concrete used for the structure. The utility of ascertaining strength after 28 days is often questioned since by this time considerable concrete would have been placed and work may have progressed.

About

It is then rather too late for remedial measures. It is therefore of tremendous advantage to predict 28 days strength within a few hours of casting the concrete so that, we have a good idea about the strength of the concrete.

Tank will consist of a rectangular double walled metal cabinet, inside lined with stainless steel, outer powder coated. Easily replaceable high Wattage heaters are mounted inside the chamber.



Key Features Of Curing Tank



Accelerated Curing Tank having capacity to accommodate Concrete Cubes of 150mm size with a facility for accelerated curing by Boiling water method up to temperature range : 100 +/- 2 deg.C . Also it will have capacity for curing by warm water method at temperature 55 +/- 2 deg.C .

Tank will consist of a rectangular double walled metal cabinet, inside lined with stainless steel, outer powder coated.

Easily replaceable high Wattage heaters are mounted inside the chamber.

A slow speed stirrer is provided to circulate water inside the chamber to maintain the uniform temperature of water.

A strong stainless steel perforated platform is provided for keeping the cubes and also have a lid with lifting handle to cover the chamber.

The temperature is indicated and controlled by a DIGITAL auto tuning PID Temp. Controller with timer to control the duration of heating and then to shut down the system without manual attendance.

The front panel will have power supply indicating lamp, control action indication lamp and one main switch.

Suitable for operation on 220 V, 50 Hz single phase, AC supply

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