

## STEAM GENERATORS

### Case History Steam Concrete Curing

Steam curing is a process for hardening concrete, cement, and mortar that involves steam exposure. The materials subjected to this hardening technique tend to cure more uniformly and also much faster for this the company the coconal acquired a steam plant brand Clayton model PVEO200. Since the steam quality with its 99.5% dry steam gives the conditions to minimize the curing time, saving more than 50% of setting time.



Advanced  
Steam  
Technology  
that Is Safe,  
Efficient  
and Reliable

In steam curing, the locks to be cured are placed inside a chamber, the operator establishes the temperature criterion according to quality control and this cannot exceed 90 ° C. Heat and moisture quickly penetrate the materials to hydrate and harden them completely this keeping them at a temperature of 85 ° C this so that the properties of the materials are maintained to the maximum.



Timing is important when using concrete, cement, and mortar, as cool, humid weather tends to provide the best curing. Dry and hot weather will lead to weakness and cracking that can compromise the finished product and in some cases the damage may be extensive enough that the product cannot be used. This is an especially important consideration when working outdoors, where it is not possible to control temperature and humidity levels.



After the pouring of the concrete you have to wait a period of one hour, after this time steam will be applied in a time of 3 to 4 hours. Once the temperature of 85 ° C quality control performs tests on samples of concrete to determine its mechanical characteristics, at this point the steam generator will go to low heat to maintain the temperature of 85 ° C will be maintained until reaching the strength required for concrete.

This process naturally takes up to 15 hours.

 Clayton

save time | save space | save money



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