

# HEATEC BULLETIN

Product news from Heatec Inc., an Astec Company 5200 Wilson Road, Chattanooga, TN 37410 Phones 423-821-5200 800-235-5200



## Heated water enables ready-mix concrete producer to run the year around

Carolina Sunrock Corp., an affiliate of Lancaster Stone Products of Buffalo, NY, recently built a new ready-mix concrete plant in Durham, North Carolina. The plant runs the year around despite cold weather in winter months.

In cold weather the plant heats the water used in the concrete. This allows operators to mix, deliver and pour the concrete during low or freezing temperatures without adversely affecting the concrete. Without heated water they would have to either shut down on cold days or resort to other methods of treatment.

Their mixing water supply system incorporates a direct-fired storage tank made by Heatec. It has a 6,000 gallon capacity and incorporates a fire-tube with a 800,000 Btu/hour burner. The heating system is approximately 90 percent efficient, keeping heating costs to a minimum.

During warm weather when heating is not required, the tank functions as a surge vessel for the supply of concrete mixing water. The need for surge capability is due to the limited water flow through their incoming 2-inch water



line. The tank has a 3-inch outgoing line providing more water on demand than would be possible through the incoming line.

Heatec offers several lines of direct-fired storage tanks for concrete plants. Capacities range from 2,000 to 35,000 gallons. Tanks for stationary plants are skid-mounted. Tanks for portable plants are mounted on a chassis with a truck suspension and wheels. One line of tanks is built to U.L. standards. These are built from 1/4-inch carbon steel and have 3-inches of fiberglass insulation and two-pass fire tubes. High capacity burners can be furnished when extra-fast heat-up times are needed. An economy series featuring a single-pass fire tube is also available.

Heatec builds heating and storage equipment for a wide variety of industries. Its products are used at hot mix asphalt plants, concrete plants, asphalt storage terminals, oil refineries, chemical plants, food processing plants and others. The company also builds heating equipment and containers for ships. Heatec, located in Chattanooga Tennessee, is a division of Astec Industries, a major producer of equipment for road construction.



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