



Application Report: TS measurement in aerated concrete

The unique advantage of the microwave measurement system is the direct measurement in the process. The method evaluates the concentration of the whole cross section between the sensors, thus, the actual process is measured representative and with high accuracy.

The measurement of the dry matter substance is an important parameter for charging the raw materials for the sand slurry preparation and also for the return slurry.

An accurate density measurement leads to a very precise lacing of water, and thus there is the best pore formation.

The microwave sensors and also the temperature sensor are abrasion-resistant. After installation of the microwave sensors and the Pt 100 in the pipe section, no additional maintenance of the measuring device is required. In addition, the installation of a bypass has become superfluous and process faults by blockage in a bypass are eliminated.



The contactless measurement consists of two flat sensors that are fitted in a pipe, a temperature sensor to compensate temperature fluctuations, a microwave module and the evaluation unit.

The measurement is based on laboratory samples, which are used to calibrate each several product, thus you will achieve a very high accuracy.

