

Ground bins, Concrete for Concrete Manufacturers

As the production had to be increased by a new mixing and batching plant at the company Suding Beton- und Kunststoffwerk GmbH, Haarup Maskinfabrik A/S was chosen as supplier of the plant. The task was to build a mixing and batching plant for a new production hall.



One of the major themes was storage of aggregates in the bins. In order to avoid bins above the ground which had to be covered and heated it was instead decided to make ground bins of concrete. The following was considered before ground bins were chosen:



- Ground bins use the natural ground heat and are therefore almost frost-proof.
- No mechanical filling of the plant.
- It is visually confirmed that aggregates are filled into the correct bin.
- Concrete can be delivered from the company itself.



The plant consists of 4 ground bins in which a steel cone with a batching belt is installed at the bottom.

The batching belts batch down on a weigh belt which together with a weighing section of the hoist forms an exact weigh hopper. From here the aggregates are filled into an 1125 litre mixer which delivers concrete in the hall.

The steel platform on which the mixer is installed is specially adjusted to the design of the hall and made it possible to deliver concrete in the hall even though the plant is positioned outside.



A complete mixing and batching control was supplied in a complete control house with air-conditioning system and ventilation which only had to be connected with cables and the plant was ready for production.