

Mobile concrete batching plant with safety precaution device and concrete mixing method

ABSTRACT

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The invention relates to the field of concrete mixing, and provides a mobile concrete batching plant with safety precaution device and a concrete mixing method. The mobile concrete batching plant comprises a container body mounted on a draggable trailer frame, within the container body a mixer and a central control unit being arranged. The mixer respectively connects to a cement pound cylinder, a water pound cylinder and an aggregate unit for receiving, weighing and feeding aggregates. The aggregate unit includes a motorized belt conveyor, a belt pound scale mounted on the motorized belt conveyor, and an aggregate storage device. A permanent cement storage device connecting to the cement pound cylinder is mounted on the upper end of the container body. Within the container body there are further provided with an air compressor for supplying power to the central control unit and the mixer at emergency situations, a rapid switching device for temporary power supply, a rapid connecting device for outside power supply and a main panel box. With the air compressor for supplying power at emergency situations, the rapid switching device for temporary power supply, the rapid connecting device for outside power supply and the main panel box, an emergency measure can be provided at unexpected loss of water or electricity.

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