

ABSTRACT

CONCRETE MIXER AND READY-MIX CONCRETE PRODUCTION PLANT USING THE SAME

The invention relates to a concrete mixer having a high blending efficiency by enhancing a shearing effect on a mixture.

A concrete mixer (8) is provided with a mixer main body (10) which can accommodate a plurality of materials to be used as source materials for ready-mix concrete, a substantially cylindrical first kneading axis (11) placed rotatably inside the mixer main body (10), and first to third mixing paddles (24, 25, 26) for mixing a plurality of materials, constituted with an arm (29) connected with the first kneading axis (11) and a blade (30) placed at a tip of the arm (29). The blades (30) are placed forming a spiral row circumferentially around the first kneading axis (11), and there is a trough (Q) between adjacent blades (30) among the blades (30) placed in a row, such that the width of the gap between the blades (30) narrows with the distance from the kneading axis.

Figure 6