

Title (en)
MIXING AND CONVEYING SYSTEM FOR DRY MORTAR MATERIALS FROM A STORAGE SILO

Title (de)
MISCH- UND FÖRDERANLAGE FÜR TROCKENBAUSTOFFE AUS EINEM VORRATSSILO

Title (fr)
INSTALLATION DE MÉLANGE ET DE TRANSPORT POUR MATÉRIAUX DE CONSTRUCTION SECS PROVENANT D'UN SILO DE STOCKAGE

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Application
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Abstract (en)
[origin: WO2015087214A1] The invention relates to a mixing and conveying system for dry mortar materials. The dry mortar materials can be obtained from a storage silo (1) through an openable closure panel (3). A pipe (17), in which a drivable screw conveyor (4) is mounted, is arranged under the closure panel (3). The pipe (17) leads into a mixing and buffer container (18), in which a coil (20) is rotatably mounted on a central axis (19). The mixing and buffer container (18) has a volume which equals at least 1.5-times the minute capacity of the pump-screw conveyor (14). It is thus ensured that the dry mortar material is mixed therein with the added water for at least 90 seconds or longer. The mixing and buffer container (18) leads into a pipe (15) at the bottom having a pump-screw conveyor (14) which conveys the mixed mortar into a hose (5). The pump-screw conveyor (14) can be allowed to run backward. The coil (20) runs continually such that the mortar is constantly agitated to prevent setting.

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Cited by
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