

PROCESS AND PLANT FOR THE PRODUCTION OF A FLUID FINE PASTE HARDENABLE AFTER MOLDING

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ABSTRACT

The process is implemented in a plant which comprises a homogenising apparatus (1) consisting of a first vertical container (10) having axial stirring devices (11) and peripheral stirring devices (12) with independently actuated blades (15), and grinding apparatus (3) comprised of an external static cylindrical body (21) with centripetally projecting stubs (24) and wherein is housed an internal rotary cylindrical body (25) provided with centrifugally projecting stubs (24); a continuous mixer (4) of which the internal surface (28) has crossing furrows (29) and wherein is housed a cylindrical body (34) of which the external surface (30) has second furrows which also cross each other, so that all the furrows form conduits which initiate in an extreme chamber (31) and which terminate in an extreme chamber (32) for the outflow of fluids resulting from produced mixtures; and a nozzle (5) for supplying the fine fluid paste, said nozzle being comprised of a main tubular body (33) having on the one hand an extreme annular enclosure (36) provided with second inlet nozzles (37) for additives and pressure gas fluid and, on the other hand, outlet conduits which open into ports (38) of the main tubular body (33).